

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:
Cleco, Teche Power Station
BRETON WILDERNESS AREA CALPOST 2003
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default !ISYR = 2003 !
Month (ISMO) -- No default !ISMO = 1 !
Day (ISDY) -- No default !ISDY = 1 !
Starting time: Hour (ISHR) -- No default !ISHR = 0 !
Minute (ISMIN) -- No default !ISMIN = 0 !
Second (ISSEC) -- No default !ISSEC = 0 !

Ending date: Year (IEYR) -- No default !IEYR = 2003 !
Month (IEMO) -- No default !IEMO = 12 !
Day (IEDY) -- No default !IEDY = 31 !
Ending time: Hour (IEHR) -- No default !IEHR = 0 !
Minute (IEMIN) -- No default !IEMIN = 0 !
Second (IESEC) -- No default !IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation

(BTZONE) -- No default !BTZONE = 6.0 !

Process every period of data?
(NREP) -- Default: 1 !NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO2 when ASPEC=NO2 (above) or LVNO2=T (Group 2) may be from CALPUFF NO2 concentrations OR from a fraction of CALPUFF NOx concentrations. Specify the fraction of NOx that is treated as NO2 either as a constant or as a table of fractions that depend on the magnitude of the NOx concentration:

(NO2CALC) -- Default: 1 ! NO2CALC = 1 !
0 = Use NO2 directly (NO2 must be in file)
1 = Specify a single NO2/NOx ratio (RNO2NOX)
2 = Specify a table NO2/NOx ratios (TNO2NOX)
(NOTE: Scaling Factors must NOT be used with NO2CALC=2)

Single NO2/NOx ratio (0.0 to 1.0) for treating some or all NOx as NO2, where [NO2] = [NOX] * RNO2NOX
(used only if NO2CALC = 1)
(RNO2NOX) -- Default: 1.0 ! RNO2NOX = 1.0 !

Table of NO2/NOx ratios that vary with NOx concentration.
Provide 14 NOx concentrations (ug/m**3) and the corresponding NO2/NOx ratio, with NOx increasing in magnitude. The ratio used for a particular NOx concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NOx concentration (the first) is used for all NOx concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NOx concentration (the last) is used for all NOx concentrations greater than the largest tabulated value.
(used only if NO2CALC = 2)

NOx concentration(ug / m3)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO2/NOx ratio for each NOx concentration:
(TNO2NOX) -- No default

**! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,
1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !**

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
 - 1 = Sum all individual source contributions and process
 - 2 = Run in TRACEBACK mode to identify source contributions at a SINGLE receptor
- (MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
 - 1 = Apply CALM processing procedures to multiple-hour averages
- (MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
- (MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !

Discrete receptors processed? (LD) -- Default: F ! LD = T !

CTSG Complex terrain receptors processed?

(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?

(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;

OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

0 = discrete receptor not processed

1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1
! NDRECP = 80*0, 40*1!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process
(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed
1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:
23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = BRET !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVS04) -- Default: T ! LVS04 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVMPC) -- Default: T ! LVMPC = T !

Include FINE PARTICLES? (LVMF) -- Default: T ! LVMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO₂ absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file
COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EEPNC) -- Default: 0.6 ! EEPNC = 0.6 !
PM FINE (EEPNF) -- Default: 1.0 ! EEPNF = 1 !

BACKGROUND particulate species:

PM COARSE (EPMCBK) -- Default: 0.6 ! EPMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !
AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !
ORGANIC CARBON (EOC) -- Default: 4.0 ! EOC = 4 !
SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !
ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !
NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)
AMMONIUM SULFATE (EESO4L) Set Internally (large)
AMMONIUM NITRATE (EENO3S) Set Internally (small)
AMMONIUM NITRATE (EENO3L) Set Internally (large)
ORGANIC CARBON (EOCS) Set Internally (small)
ORGANIC CARBON (EOCL) Set Internally (large)
SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:
Hourly ratio of source light extinction / background light extinction
is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !
FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
- Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
- FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
- Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
- Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at F(RHMAX)
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.

These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFrac) -- No default ! RHFrac = 10 !

Additional inputs used for MVISBK = 6,8:

Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.5, 3.3, 3.3, 3.3,
3.4, 3.6, 3.8, 3.8,
3.6, 3.4, 3.4, 3.5 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that
is identified as VSRN.DAT may contain data for more than one
station. Identify the stations that are needed in the order in
which they will be used to obtain valid weather and visual range.
The first station that contains valid data for an hour will be
used. Enter up to MXWSTA (set in PARAMS file) integer station IDs
of up to 6 digits each as variable IDWSTA, and enter the corresponding
time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used
in place of the observed weather file. Identify this as the VSRN.DAT
file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The
DATSAV abbreviated space-delimited data usually are prepared
with UTC time rather than local time, so TZONE is typically
set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly
CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23,
0.23, 0.23, 0.23 !
(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10,
0.10, 0.10, 0.10 !
(BKPMC) -- No default ! BKPMC = 3.01, 3.01, 3.01, 3.01,
3.01, 3.01, 3.01,
3.01, 3.01, 3.01 !
(BKOC) -- No default ! BKOC = 1.78, 1.78, 1.78, 1.78,
1.78, 1.78, 1.78,
1.78, 1.78, 1.78 !
(BKSOIL) -- No default ! BKSOIL= 0.48, 0.48, 0.48, 0.48,
0.48, 0.48, 0.48,
0.48, 0.48, 0.48 !
(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02,
0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations.
(VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January.
(ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.19, 0.19, 0.19, 0.19,
0.19, 0.19, 0.19, 0.19,
0.19, 0.19, 0.19, 0.19 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA).
Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes
(RHFSML) -- No default ! RHFSML= 4.08, 3.82, 3.79, 3.74,
3.94, 4.12, 4.41, 4.37,
4.18, 3.92, 3.93, 4.06 !

Large ammonium sulfate and ammonium nitrate particle sizes
(RHFLRG) -- No default ! RHFLRG= 2.91, 2.76, 2.74, 2.72,
2.83, 2.94, 3.10, 3.07,
2.97, 2.82, 2.83, 2.90 !

Sea salt particles
(RHFSEA) -- No default ! RHFSEA= 4.10, 3.89, 3.87, 3.85,
4.02, 4.21, 4.44, 4.38,

4.23, 3.99, 4.01, 4.11 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.

Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB.
In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day
[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]
(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0
! IECHO = 366*0 !
(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...].

In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid.

The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1953 2052

```
*****  
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

CALPOST Control File Input Summary

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2003
month: 1
day: 1
Julian day: 0
Time at start of run - hour(0-23): 0
- minute: 0
- second: 0

Run ending date -- year: 2003
month: 12
day: 31
Julian day: 0
Time at end of run - hour(0-23): 0
- minute: 0
- second: 0

Base time zone (Group 1): 6.0

Every period of data processed -- NREP = 1

Species & Concentration/Deposition Information

Species: VISIB
Layer of processed data: 1
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
Multiplicative scaling factor: 0.0000E+00
Additive scaling factor: 0.0000E+00
Hourly background values used?: F

SAMPLER option

Processing method: 0
0= SAMPLER option not used
1= Report total modeled impact (list file)
2= TRACEBACK mode (DAT files)
3= TRACEBACK mode with sampling factor (DAT files)

Source information

Source contribution processing: 0
0= No source contributions
1= Contributions are summed
2= TRACEBACK mode for 1 receptor
3= Reported TOTAL is processed

Receptor information

Gridded receptors processed?: F
Discrete receptors processed?: T
CTSG Complex terrain receptors processed?: F

Discrete Receptors Processed

Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: BRET

Extinction Computation includes:

SULFATES

NITRATES

NO₂ GAS

Fraction CALPUFF NOx used as NO₂ : 1.000

ORGANIC CARBON

ELEMENTAL CARBON

COARSE PARTICLES

FINE PARTICLES

BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000

ammonium sulfate L: 4.8000

ammonium nitrate S: 2.4000

ammonium nitrate L: 5.1000

organic carbon S: 2.8000

organic carbon L: 6.1000

sea salt: 1.7000

NO₂ gas: 0.1755

soil: 1.0000

elemental carbon: 10.0000

MODELED coarse PM: 0.6000

MODELED fine PM: 1.0000

BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .4080E+01

2 .3820E+01

3 .3790E+01

4 .3740E+01

5 .3940E+01

6 .4120E+01

7 .4410E+01

8 .4370E+01

9 .4180E+01

10 .3920E+01

11 .3930E+01

12 .4060E+01

Monthly RH factor for large particles:

1 .2910E+01

2 .2760E+01

3 .2740E+01

4 .2720E+01
5 .2830E+01
6 .2940E+01
7 .3100E+01
8 .3070E+01
9 .2970E+01
10 .2820E+01
11 .2830E+01
12 .2900E+01

Monthly RH factor for sea salt:

1 .4100E+01
2 .3890E+01
3 .3870E+01
4 .3850E+01
5 .4020E+01
6 .4210E+01
7 .4440E+01
8 .4380E+01
9 .4230E+01
10 .3990E+01
11 .4010E+01
12 .4110E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
2	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
3	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
4	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
5	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
6	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
7	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
8	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
9	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
10	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
11	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
12	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T
User-specified averages: F
Length of run averages: F

Output components selected

Top-50: F
Top-N values at each receptor: F
Exceedance counts at each receptor: F
Output selected information for debugging: F
Echo tables for selected days: F
Time-series for selected days: F
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9

Number of species-levels processed: 10

Input ID	Processing ID	Name
1	1	SO2
2	2	SO4
3	3	NOX
4	4	HNO3
5	5	NO3
6	6	PMC
7	7	PMF
8	8	EC
9	9	SOA

Visibility Species

	Processing ID	Name
sulfate	2	SO4
no2gas	10	NO2
noxgas	3	NOX
nitrate	5	NO3
specpmf	7	PMF
specpmc	6	PMC
orgcarb	9	SOA
lmncarb	8	EC

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, TECHE

ALM-step1

Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

Number of averaging periods in file from model:
8740

Chemical species names for each layer in model:

SO ₂	1
SO ₄	1
NOX	1
HNO ₃	1
NO ₃	1
PMC	1
PMF	1
EC	1
SOA	1

QA Information -- Internal Representation of Data

CONTENTS OF CONTROL FILE -----

EESOIL,EEEC,EENO2 = 1.00000000 10.0000000 0.175500005
 navg,ntop = 0 4
 navgh,navgm,navgs = 0 0 0
 itop = 1 2 3 4
 L[1,3,24]HR = F F T
 LNAVG, LRUNL = F F
 LT50, LTOPN, LEXCD = F F F
 LECHO, LTIME, LPEAK = F F F
 THRESH1 = -1.00000000
 THRESH3 = -1.00000000
 THRESH24 = -1.00000000
 THRESHN = -1.00000000
 PLT, LGRD = F F
 MDVIS = 1
 LDEBUG = F
 LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model : CALPUFF 5.8.4 130731
 msyr,mjsday = 2002 365
 mshr,mssec = 23 0
 nsecdt (period) = 3600
 xbtz = 6.00000000
 mnper,nszout,mavgpd = 8740 9 1
 xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0
 ielmet,jelmet = 462 376
 delx,dely,nz = 4.00000000 4.00000000 1
 iastar,iastop,jastar,jastop = 1 462 1 376
 isastr,isastp,jsastr,jsastp = 1 462 1 376
 (computed) ngx,ngy = 462 376
 meshdn,npts,nareas = 1 1 0
 nlines,nvols = 0 0
 ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000
 2 271.090393 -617.494019 365.000000
 3 271.854797 -617.469116 368.000000
 4 268.767273 -616.646362 411.000000
 5 269.531677 -616.621704 462.000000
 6 270.295959 -616.597046 431.000000
 7 271.060364 -616.572144 518.000000
 8 271.824768 -616.547241 487.000000
 9 272.589050 -616.522339 396.000000
 10 265.680481 -615.822632 518.000000
 11 266.444763 -615.798218 523.000000
 12 267.209045 -615.773682 548.000000
 13 267.973328 -615.749146 579.000000
 14 268.737610 -615.724487 547.000000
 15 269.501892 -615.699829 538.000000
 16 270.266174 -615.675049 640.000000
 17 271.030334 -615.650269 608.000000
 18 260.301697 -615.069458 335.000000
 19 261.065857 -615.045532 431.000000
 20 261.830139 -615.021606 457.000000
 21 262.594299 -614.997559 414.000000

22 263.358459 -614.973511 426.000000
23 264.122742 -614.949341 426.000000
24 264.886902 -614.924927 388.000000
25 265.651062 -614.900635 388.000000
26 266.415344 -614.876343 365.000000
27 267.179504 -614.851807 386.000000
28 267.943665 -614.827271 396.000000
29 268.707825 -614.802612 426.000000
30 269.471985 -614.777954 446.000000
31 270.236267 -614.753174 441.000000
32 271.000427 -614.728394 457.000000
33 271.764587 -614.703491 465.000000
34 272.528748 -614.678589 442.000000
35 273.293030 -614.653442 426.000000
36 260.272888 -614.147583 304.000000
37 261.036926 -614.123657 304.000000
38 261.801086 -614.099731 319.000000
39 262.565247 -614.075684 334.000000
40 263.329407 -614.051636 370.000000
41 264.093567 -614.027344 405.000000
42 264.857605 -614.003052 409.000000
43 265.621765 -613.978760 450.000000
44 266.385803 -613.954346 518.000000
45 267.149963 -613.929932 609.000000
46 267.914124 -613.905396 534.000000
47 268.678162 -613.880737 517.000000
48 269.442200 -613.856079 575.000000
49 270.206360 -613.831299 600.000000
50 270.970520 -613.806519 609.000000
51 271.734558 -613.781616 609.000000
52 272.498596 -613.756714 561.000000
53 261.008118 -613.201782 335.000000
54 261.772156 -613.177856 432.000000
55 262.536194 -613.153809 487.000000
56 263.300232 -613.129639 499.000000
57 264.064270 -613.105469 514.000000
58 264.828308 -613.081177 442.000000
59 265.592346 -613.056885 439.000000
60 266.356384 -613.032471 395.000000
61 267.120422 -613.007935 400.000000
62 267.884460 -612.983521 426.000000
63 268.648499 -612.958862 487.000000
64 269.412415 -612.934204 548.000000
65 270.176453 -612.909424 548.000000
66 270.940491 -612.884644 548.000000
67 271.704529 -612.859741 535.000000
68 261.743225 -612.255981 304.000000
69 262.507141 -612.231812 334.000000
70 263.271179 -612.207764 396.000000
71 264.035095 -612.183594 457.000000
72 264.799011 -612.159302 457.000000
73 265.563049 -612.135010 426.000000
74 266.326965 -612.110596 411.000000
75 267.090881 -612.086182 406.000000
76 267.854797 -612.061646 396.000000
77 268.618713 -612.036987 401.000000

78 269.382629 -612.012329 397.000000
79 261.714294 -611.334106 322.000000
80 262.478088 -611.309937 334.000000
81 777.710144 -1118.01306 0.00000000E+00
82 779.970764 -1115.93896 0.00000000E+00
83 780.696716 -1114.93750 0.00000000E+00
84 781.422424 -1113.93604 0.00000000E+00
85 785.606995 -1106.06689 0.00000000E+00
86 789.226868 -1101.05811 0.00000000E+00
87 789.783264 -1098.19727 0.00000000E+00
88 791.229431 -1096.19348 1.00000000
89 791.145813 -1095.26416 1.00000000
90 791.784729 -1093.33289 1.00000000
91 791.700989 -1092.40356 1.00000000
92 792.339539 -1090.47253 1.00000000
93 792.255920 -1089.54321 1.00000000
94 792.172058 -1088.61401 1.00000000
95 792.088196 -1087.68494 1.00000000
96 792.004456 -1086.75574 0.00000000E+00
97 791.920715 -1085.82666 0.00000000E+00
98 791.753235 -1083.96826 0.00000000E+00
99 792.558533 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585754 -1082.11023 0.00000000E+00
102 792.390930 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307068 -1081.10864 1.00000000
105 791.418152 -1080.25220 1.00000000
106 791.334412 -1079.32324 1.00000000
107 790.445862 -1078.46667 0.00000000E+00
108 791.250549 -1078.39417 1.00000000
109 790.362244 -1077.53772 0.00000000E+00
110 791.166931 -1077.46521 1.00000000
111 790.278625 -1076.60876 0.00000000E+00
112 790.194885 -1075.67993 0.00000000E+00
113 790.111267 -1074.75098 1.00000000
114 789.223206 -1073.89453 0.00000000E+00
115 789.139709 -1072.96558 0.00000000E+00
116 788.251770 -1072.10913 0.00000000E+00
117 788.168274 -1071.18030 1.00000000
118 787.280823 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTMs (n,x,y):

Control-file POINT Sources : 1
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names

UNIT 3

INPUT FILES

Default Name	Unit No.	File Name and Path
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CALPOST.INP	5	CT_TECHE_03A_BRET.INP
MODEL.DAT	4	pu_teche_03a.flx

OUTPUT FILES

Default Name	Unit No.	File Name and Path
--------------	----------	--------------------

CALPOST.LST	8	ct_teche_03a_bret.lst
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```
*****
*****  
CALPOST Version 6.221      Level 080724  
*****  
*****
```

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME		Modeled Extinction by Species																	
Small	Large	SSalt																	
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)
2002	365	23	81	777.710 -1118.013	D	0.684	23.365	24.049	2.93	0.255	0.397	0.003	0.010	0.003	0.012	0.004	4.060	2.900	4.110
2003	123	88	791.229 -1096.193	D	0.344	23.376	23.721	1.47	0.083	0.246	0.001	0.004	0.001	0.005	0.003	4.080	2.910	4.100	
2003	223	81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100	
2003	323	81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100	
2003	423	120	785.506 -1068.610	D	0.399	23.376	23.775	1.71	0.127	0.258	0.001	0.004	0.001	0.005	0.001	4.080	2.910	4.100	
2003	523	81	777.710 -1118.013	D	0.206	23.376	23.583	0.88	0.056	0.144	0.001	0.002	0.001	0.003	0.000	4.080	2.910	4.100	
2003	623	81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100	

2003	7	23	86	789.227	-1101.058	D	0.620	23.376	23.997	2.65	0.180	0.418	0.002
0.007	0.002	0.009	0.001	4.080	2.910	4.100							
2003	8	23	120	785.506	-1068.610	D	0.205	23.376	23.581	0.88	0.042	0.147	0.001
0.003	0.001	0.004	0.006	4.080	2.910	4.100							
2003	9	23	81	777.710	-1118.013	D	0.133	23.376	23.510	0.57	0.025	0.095	0.001
0.003	0.001	0.003	0.006	4.080	2.910	4.100							
2003	10	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	11	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	12	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	13	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	14	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	15	23	86	789.227	-1101.058	D	0.167	23.376	23.543	0.71	0.068	0.092	0.001
0.002	0.001	0.003	0.000	4.080	2.910	4.100							
2003	16	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	17	23	81	777.710	-1118.013	D	0.090	23.376	23.466	0.38	0.025	0.062	0.000
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2003	18	23	93	792.256	-1089.543	D	0.668	23.376	24.044	2.86	0.137	0.493	0.003
0.008	0.002	0.010	0.013	4.080	2.910	4.100							
2003	19	23	120	785.506	-1068.610	D	0.120	23.376	23.496	0.51	0.035	0.081	0.000
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2003	20	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	21	23	85	785.607	-1106.067	D	0.302	23.376	23.678	1.29	0.106	0.170	0.002
0.005	0.001	0.006	0.011	4.080	2.910	4.100							
2003	22	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	23	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	24	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	25	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	26	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	27	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	28	23	120	785.506	-1068.610	D	0.001	23.376	23.377	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	29	23	81	777.710	-1118.013	D	0.202	23.376	23.578	0.86	0.029	0.161	0.000
0.001	0.000	0.002	0.009	4.080	2.910	4.100							
2003	30	23	120	785.506	-1068.610	D	0.245	23.376	23.622	1.05	0.112	0.124	0.001
0.003	0.001	0.004	0.002	4.080	2.910	4.100							
2003	31	23	81	777.710	-1118.013	D	1.011	23.376	24.388	4.33	0.397	0.581	0.003
0.010	0.003	0.012	0.006	4.080	2.910	4.100							
2003	32	23	81	777.710	-1118.013	D	0.402	23.114	23.516	1.74	0.193	0.199	0.001
0.003	0.001	0.004	0.000	3.820	2.760	3.890							
2003	33	23	120	785.506	-1068.610	D	0.184	23.114	23.298	0.79	0.069	0.111	0.000
0.001	0.000	0.002	0.000	3.820	2.760	3.890							
2003	34	23	81	777.710	-1118.013	D	0.025	23.114	23.139	0.11	0.004	0.017	0.000
0.000	0.000	0.002	0.002	3.820	2.760	3.890							

2003	35	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	36	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	37	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	38	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	39	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	40	23	81	777.710	-1118.013	D	0.135	23.114	23.250	0.59	0.037	0.092	0.000
0.001	0.000	0.001	0.003	3.820	2.760	3.890							
2003	41	23	81	777.710	-1118.013	D	0.001	23.114	23.115	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	42	23	120	785.506	-1068.610	D	0.276	23.114	23.391	1.20	0.130	0.136	0.001
0.003	0.001	0.004	0.000	3.820	2.760	3.890							
2003	43	23	120	785.506	-1068.610	D	0.392	23.114	23.506	1.70	0.161	0.219	0.001
0.004	0.001	0.005	0.000	3.820	2.760	3.890							
2003	44	23	118	787.281	-1070.324	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	45	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	46	23	81	777.710	-1118.013	D	0.070	23.114	23.184	0.30	0.012	0.054	0.000
0.001	0.000	0.001	0.002	3.820	2.760	3.890							
2003	47	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	48	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	49	23	81	777.710	-1118.013	D	0.012	23.114	23.126	0.05	0.006	0.006	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	50	23	120	785.506	-1068.610	D	0.007	23.114	23.122	0.03	0.004	0.003	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	51	23	106	791.334	-1079.323	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	52	23	89	791.146	-1095.264	D	0.037	23.114	23.151	0.16	0.021	0.010	0.000
0.001	0.000	0.002	0.003	3.820	2.760	3.890							
2003	53	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	54	23	120	785.506	-1068.610	D	0.018	23.114	23.132	0.08	0.007	0.011	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	55	23	120	785.506	-1068.610	D	0.012	23.114	23.127	0.05	0.005	0.007	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	56	23	120	785.506	-1068.610	D	0.003	23.114	23.118	0.01	0.001	0.002	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	57	23	81	777.710	-1118.013	D	0.029	23.114	23.143	0.12	0.007	0.019	0.000
0.000	0.000	0.000	0.001	3.820	2.760	3.890							
2003	58	23	81	777.710	-1118.013	D	0.021	23.114	23.136	0.09	0.008	0.014	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	59	23	81	777.710	-1118.013	D	0.020	23.114	23.135	0.09	0.009	0.011	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	60	23	81	777.710	-1118.013	D	0.003	23.085	23.089	0.01	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	61	23	81	777.710	-1118.013	D	0.001	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	62	23	119	786.393	-1069.467	D	0.000	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							

2003	63	23	120	785.506	-1068.610	D	0.006	23.085	23.091	0.03	0.003	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	64	23	120	785.506	-1068.610	D	0.024	23.085	23.109	0.10	0.010	0.013	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	65	23	81	777.710	-1118.013	D	0.005	23.085	23.090	0.02	0.003	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	66	23	120	785.506	-1068.610	D	0.006	23.085	23.091	0.03	0.004	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	67	23	120	785.506	-1068.610	D	0.009	23.085	23.094	0.04	0.006	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	68	23	81	777.710	-1118.013	D	0.008	23.085	23.093	0.03	0.006	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	69	23	81	777.710	-1118.013	D	0.007	23.085	23.092	0.03	0.005	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	70	23	120	785.506	-1068.610	D	0.002	23.085	23.087	0.01	0.001	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	71	23	119	786.393	-1069.467	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	72	23	120	785.506	-1068.610	D	0.008	23.085	23.094	0.04	0.002	0.007	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	73	23	81	777.710	-1118.013	D	0.052	23.085	23.138	0.23	0.022	0.029	0.000
	0.000	0.000	0.001	0.000	3.790	2.740	3.870						
2003	74	23	120	785.506	-1068.610	D	0.021	23.085	23.107	0.09	0.008	0.013	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	75	23	120	785.506	-1068.610	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	76	23	81	777.710	-1118.013	D	0.001	23.085	23.086	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	77	23	120	785.506	-1068.610	D	0.134	23.085	23.219	0.58	0.052	0.071	0.001
	0.002	0.001	0.003	0.005	3.790	2.740	3.870						
2003	78	23	120	785.506	-1068.610	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	79	23	81	777.710	-1118.013	D	0.240	23.085	23.325	1.04	0.099	0.125	0.002
	0.004	0.001	0.006	0.003	3.790	2.740	3.870						
2003	80	23	87	789.783	-1098.197	D	0.402	23.085	23.488	1.74	0.110	0.277	0.002
	0.005	0.002	0.006	0.001	3.790	2.740	3.870						
2003	81	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	82	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	83	23	120	785.506	-1068.610	D	0.007	23.085	23.093	0.03	0.004	0.003	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	84	23	120	785.506	-1068.610	D	0.019	23.085	23.104	0.08	0.013	0.005	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	85	23	120	785.506	-1068.610	D	0.005	23.085	23.090	0.02	0.003	0.001	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	86	23	120	785.506	-1068.610	D	0.003	23.085	23.088	0.01	0.002	0.001	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	87	23	81	777.710	-1118.013	D	0.226	23.085	23.311	0.98	0.125	0.092	0.001
	0.003	0.001	0.004	0.000	3.790	2.740	3.870						
2003	88	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	89	23	120	785.506	-1068.610	D	0.005	23.085	23.090	0.02	0.003	0.002	0.000
	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	90	23	120	785.506	-1068.610	D	0.128	23.085	23.213	0.55	0.042	0.083	0.000
	0.001	0.000	0.002	0.000	3.790	2.740	3.870						

2003	91	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	92	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	93	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	94	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	95	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	96	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	97	23	120	785.506	-1068.610	D	0.012	23.042	23.053	0.05	0.004	0.008	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	98	23	88	791.229	-1096.193	D	0.007	23.042	23.049	0.03	0.002	0.005	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	99	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	100	23	81	777.710	-1118.013	D	0.001	23.042	23.043	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	101	23	81	777.710	-1118.013	D	0.016	23.042	23.058	0.07	0.009	0.006	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	102	23	81	777.710	-1118.013	D	0.420	23.042	23.461	1.82	0.197	0.207	0.002
0.006	0.002	0.007	0.000	3.740	2.720	3.850							
2003	103	23	81	777.710	-1118.013	D	0.007	23.042	23.049	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	104	23	81	777.710	-1118.013	D	0.015	23.042	23.056	0.06	0.009	0.005	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	105	23	120	785.506	-1068.610	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	106	23	86	789.227	-1101.058	D	0.121	23.042	23.163	0.53	0.061	0.054	0.001
0.002	0.001	0.003	0.000	3.740	2.720	3.850							
2003	107	23	81	777.710	-1118.013	D	0.002	23.042	23.044	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	108	23	81	777.710	-1118.013	D	0.002	23.042	23.044	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	109	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	110	23	82	779.971	-1115.939	D	0.151	23.042	23.192	0.65	0.113	0.022	0.001
0.004	0.001	0.005	0.003	3.740	2.720	3.850							
2003	111	23	81	777.710	-1118.013	D	0.007	23.042	23.049	0.03	0.004	0.003	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	112	23	81	777.710	-1118.013	D	0.001	23.042	23.043	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	113	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	114	23	81	777.710	-1118.013	D	0.039	23.042	23.081	0.17	0.012	0.025	0.000
0.001	0.000	0.001	0.000	3.740	2.720	3.850							
2003	115	23	88	791.229	-1096.193	D	0.010	23.042	23.051	0.04	0.003	0.007	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	116	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	117	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	118	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							

2003	119	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	120	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	121	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	122	23	120	785.506	-1068.610	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	123	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	124	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	125	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	126	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	127	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	128	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	129	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	130	23	120	785.506	-1068.610	D	0.003	23.246	23.249	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	131	23	120	785.506	-1068.610	D	0.037	23.246	23.282	0.16	0.025	0.010	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	132	23	81	777.710	-1118.013	D	0.011	23.246	23.257	0.05	0.008	0.002	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	133	23	120	785.506	-1068.610	D	0.003	23.246	23.249	0.01	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	134	23	107	790.446	-1078.467	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	135	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	136	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	137	23	120	785.506	-1068.610	D	0.025	23.246	23.271	0.11	0.020	0.003	0.000
0.001	0.000	0.001	0.000	3.940	2.830	4.020							
2003	138	23	120	785.506	-1068.610	D	0.013	23.246	23.259	0.06	0.006	0.007	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	139	23	120	785.506	-1068.610	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	140	23	81	777.710	-1118.013	D	0.002	23.246	23.248	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	141	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	142	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	143	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	144	23	120	785.506	-1068.610	D	0.014	23.246	23.260	0.06	0.012	0.002	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	145	23	120	785.506	-1068.610	D	0.169	23.246	23.415	0.73	0.090	0.074	0.000
0.001	0.000	0.002	0.000	3.940	2.830	4.020							
2003	146	23	81	777.710	-1118.013	D	0.166	23.246	23.412	0.71	0.128	0.032	0.001
0.002	0.001	0.003	0.000	3.940	2.830	4.020							

2003	147	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	148	23	81	777.710	-1118.013	D	0.020	23.246	23.266	0.09	0.017	0.002	0.000
0.000	0.000	0.001	0.000	3.940	2.830	4.020							
2003	149	23	84	781.422	-1113.936	D	0.558	23.246	23.804	2.40	0.444	0.069	0.005
0.015	0.004	0.019	0.001	3.940	2.830	4.020							
2003	150	23	120	785.506	-1068.610	D	0.152	23.246	23.398	0.65	0.109	0.037	0.001
0.002	0.001	0.003	0.000	3.940	2.830	4.020							
2003	151	23	120	785.506	-1068.610	D	0.553	23.246	23.799	2.38	0.419	0.090	0.005
0.015	0.004	0.018	0.003	3.940	2.830	4.020							
2003	152	23	120	785.506	-1068.610	D	0.002	23.442	23.444	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	153	23	120	785.506	-1068.610	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	154	23	120	785.506	-1068.610	D	0.026	23.442	23.468	0.11	0.018	0.007	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	155	23	87	789.783	-1098.197	D	0.003	23.442	23.445	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	156	23	120	785.506	-1068.610	D	0.016	23.442	23.458	0.07	0.007	0.009	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	157	23	120	785.506	-1068.610	D	0.041	23.442	23.483	0.17	0.025	0.014	0.000
0.000	0.000	0.000	0.001	4.120	2.940	4.210							
2003	158	23	81	777.710	-1118.013	D	0.193	23.442	23.635	0.82	0.175	0.011	0.001
0.002	0.001	0.003	0.000	4.120	2.940	4.210							
2003	159	23	120	785.506	-1068.610	D	0.558	23.442	24.000	2.38	0.460	0.078	0.002
0.007	0.002	0.009	0.000	4.120	2.940	4.210							
2003	160	23	120	785.506	-1068.610	D	0.135	23.442	23.577	0.58	0.092	0.040	0.000
0.001	0.000	0.001	0.000	4.120	2.940	4.210							
2003	161	23	102	792.391	-1082.038	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	162	23	120	785.506	-1068.610	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	163	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	164	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	165	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	166	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	167	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	168	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	169	23	120	785.506	-1068.610	D	0.037	23.442	23.479	0.16	0.033	0.003	0.000
0.000	0.000	0.001	0.000	4.120	2.940	4.210							
2003	170	23	120	785.506	-1068.610	D	0.042	23.442	23.484	0.18	0.030	0.011	0.000
0.000	0.000	0.001	0.000	4.120	2.940	4.210							
2003	171	23	120	785.506	-1068.610	D	0.008	23.442	23.450	0.04	0.005	0.003	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	172	23	120	785.506	-1068.610	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	173	23	116	788.252	-1072.109	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	174	23	115	789.140	-1072.966	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							

2003	175	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	176	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	177	23	120	785.506	-1068.610	D	0.002	23.442	23.444	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	178	23	81	777.710	-1118.013	D	0.008	23.442	23.450	0.03	0.007	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	179	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	180	23	120	785.506	-1068.610	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	181	23	86	789.227	-1101.058	D	0.454	23.442	23.896	1.94	0.169	0.269	0.002
0.004	0.001	0.006	0.004	4.120	2.940	4.210							
2003	182	23	120	785.506	-1068.610	D	0.370	23.733	24.103	1.56	0.277	0.079	0.002
0.005	0.001	0.006	0.000	4.410	3.100	4.440							
2003	183	23	120	785.506	-1068.610	D	0.027	23.733	23.760	0.11	0.017	0.009	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	184	23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	185	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	186	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	187	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	188	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	189	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	190	23	120	785.506	-1068.610	D	0.031	23.733	23.765	0.13	0.028	0.002	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440							
2003	191	23	120	785.506	-1068.610	D	0.190	23.733	23.923	0.80	0.157	0.025	0.001
0.003	0.001	0.003	0.001	4.410	3.100	4.440							
2003	192	23	120	785.506	-1068.610	D	0.121	23.733	23.854	0.51	0.097	0.021	0.000
0.001	0.000	0.002	0.000	4.410	3.100	4.440							
2003	193	23	120	785.506	-1068.610	D	0.028	23.733	23.761	0.12	0.025	0.002	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	194	23	120	785.506	-1068.610	D	0.003	23.733	23.736	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	195	23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	196	23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.001	0.000	0.000	0.000	4.410	3.100	4.440							
2003	197	23	120	785.506	-1068.610	D	0.042	23.733	23.775	0.18	0.036	0.004	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440							
2003	198	23	120	785.506	-1068.610	D	0.069	23.733	23.802	0.29	0.052	0.015	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440							
2003	199	23	120	785.506	-1068.610	D	0.394	23.733	24.127	1.66	0.288	0.093	0.001
0.004	0.001	0.005	0.000	4.410	3.100	4.440							
2003	200	23	120	785.506	-1068.610	D	1.052	23.733	24.785	4.43	0.802	0.201	0.006
0.017	0.005	0.021	0.001	4.410	3.100	4.440							
2003	201	23	120	785.506	-1068.610	D	1.195	23.733	24.928	5.04	0.823	0.303	0.007
0.021	0.006	0.026	0.008	4.410	3.100	4.440							
2003	202	23	120	785.506	-1068.610	D	0.263	23.733	23.996	1.11	0.114	0.138	0.001
0.004	0.001	0.004	0.001	4.410	3.100	4.440							

2003	203	23	120	785.506	-1068.610	D	0.210	23.733	23.943	0.89	0.118	0.083	0.001
0.003	0.001	0.003	0.001	4.410	3.100	4.440							
2003	204	23	99	792.559	-1083.896	D	0.310	23.733	24.043	1.30	0.190	0.109	0.001
0.003	0.001	0.004	0.001	4.410	3.100	4.440							
2003	205	23	81	777.710	-1118.013	D	0.072	23.733	23.805	0.30	0.061	0.009	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440							
2003	206	23	120	785.506	-1068.610	D	0.004	23.733	23.737	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	207	23	120	785.506	-1068.610	D	0.001	23.733	23.734	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	208	23	120	785.506	-1068.610	D	0.091	23.733	23.824	0.38	0.080	0.008	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440							
2003	209	23	120	785.506	-1068.610	D	0.910	23.733	24.643	3.83	0.696	0.174	0.005
0.013	0.004	0.017	0.001	4.410	3.100	4.440							
2003	210	23	120	785.506	-1068.610	D	0.721	23.733	24.454	3.04	0.467	0.232	0.003
0.008	0.002	0.010	0.000	4.410	3.100	4.440							
2003	211	23	120	785.506	-1068.610	D	0.022	23.733	23.755	0.09	0.015	0.007	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	212	23	120	785.506	-1068.610	D	0.059	23.733	23.792	0.25	0.041	0.014	0.000
0.001	0.000	0.001	0.000	4.410	3.100	4.440							
2003	213	23	120	785.506	-1068.610	D	0.422	23.684	24.106	1.78	0.297	0.106	0.002
0.006	0.002	0.007	0.002	4.370	3.070	4.380							
2003	214	23	120	785.506	-1068.610	D	0.147	23.684	23.831	0.62	0.092	0.051	0.000
0.001	0.000	0.002	0.000	4.370	3.070	4.380							
2003	215	23	120	785.506	-1068.610	D	0.016	23.684	23.700	0.07	0.012	0.004	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	216	23	120	785.506	-1068.610	D	0.051	23.684	23.734	0.21	0.027	0.021	0.000
0.001	0.000	0.001	0.000	4.370	3.070	4.380							
2003	217	23	120	785.506	-1068.610	D	0.075	23.684	23.758	0.31	0.037	0.034	0.000
0.001	0.000	0.001	0.000	4.370	3.070	4.380							
2003	218	23	120	785.506	-1068.610	D	0.665	23.684	24.348	2.81	0.375	0.257	0.003
0.010	0.003	0.013	0.003	4.370	3.070	4.380							
2003	219	23	87	789.783	-1098.197	D	0.346	23.684	24.030	1.46	0.160	0.177	0.001
0.003	0.001	0.004	0.000	4.370	3.070	4.380							
2003	220	23	81	777.710	-1118.013	D	0.045	23.684	23.729	0.19	0.039	0.005	0.000
0.000	0.000	0.001	0.000	4.370	3.070	4.380							
2003	221	23	81	777.710	-1118.013	D	0.104	23.684	23.788	0.44	0.092	0.009	0.000
0.001	0.000	0.001	0.000	4.370	3.070	4.380							
2003	222	23	81	777.710	-1118.013	D	0.247	23.684	23.931	1.04	0.226	0.013	0.001
0.003	0.001	0.003	0.000	4.370	3.070	4.380							
2003	223	23	81	777.710	-1118.013	D	0.307	23.684	23.990	1.29	0.252	0.047	0.001
0.003	0.001	0.003	0.000	4.370	3.070	4.380							
2003	224	23	81	777.710	-1118.013	D	0.046	23.684	23.730	0.20	0.037	0.008	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	225	23	120	785.506	-1068.610	D	0.003	23.684	23.687	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	226	23	120	785.506	-1068.610	D	0.003	23.684	23.687	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	227	23	120	785.506	-1068.610	D	0.002	23.684	23.685	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	228	23	120	785.506	-1068.610	D	0.001	23.684	23.685	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	229	23	81	777.710	-1118.013	D	0.006	23.684	23.690	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	230	23	81	777.710	-1118.013	D	0.008	23.684	23.692	0.04	0.008	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							

2003	231	23	120	785.506	-1068.610	D	0.012	23.684	23.696	0.05	0.011	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	232	23	120	785.506	-1068.610	D	0.012	23.684	23.696	0.05	0.010	0.002	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	233	23	120	785.506	-1068.610	D	0.002	23.684	23.686	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	234	23	119	786.393	-1069.467	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	235	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	236	23	81	777.710	-1118.013	D	0.001	23.684	23.685	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	237	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	238	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	239	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	240	23	96	792.004	-1086.756	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	241	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	242	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	243	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	244	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	245	23	119	786.393	-1069.467	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	246	23	120	785.506	-1068.610	D	0.030	23.493	23.524	0.13	0.026	0.004	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	247	23	81	777.710	-1118.013	D	0.003	23.493	23.497	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	248	23	81	777.710	-1118.013	D	0.001	23.493	23.495	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	249	23	81	777.710	-1118.013	D	0.011	23.493	23.504	0.05	0.010	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	250	23	87	789.783	-1098.197	D	0.039	23.493	23.532	0.16	0.029	0.009	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	251	23	87	789.783	-1098.197	D	0.033	23.493	23.527	0.14	0.026	0.007	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	252	23	120	785.506	-1068.610	D	0.013	23.493	23.506	0.06	0.012	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	253	23	120	785.506	-1068.610	D	0.002	23.493	23.495	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	254	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	255	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	256	23	120	785.506	-1068.610	D	0.011	23.493	23.504	0.05	0.009	0.002	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	257	23	87	789.783	-1098.197	D	0.003	23.493	23.497	0.01	0.002	0.002	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	258	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							

2003	259	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	260	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	261	23	120	785.506	-1068.610	D	0.003	23.493	23.497	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	262	23	120	785.506	-1068.610	D	0.004	23.493	23.498	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	263	23	120	785.506	-1068.610	D	0.000	23.493	23.494	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	264	23	120	785.506	-1068.610	D	0.008	23.493	23.501	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	265	23	120	785.506	-1068.610	D	0.001	23.493	23.495	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	266	23	119	786.393	-1069.467	D	0.000	23.493	23.494	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	267	23	118	787.281	-1070.324	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	268	23	117	788.168	-1071.180	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	269	23	120	785.506	-1068.610	D	0.001	23.493	23.494	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	270	23	81	777.710	-1118.013	D	0.002	23.493	23.495	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	271	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	272	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	273	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	274	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	275	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	276	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	277	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	278	23	120	785.506	-1068.610	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	279	23	120	785.506	-1068.610	D	0.002	23.221	23.224	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	280	23	118	787.281	-1070.324	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	281	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	282	23	120	785.506	-1068.610	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	283	23	119	786.393	-1069.467	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	284	23	120	785.506	-1068.610	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	285	23	120	785.506	-1068.610	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	286	23	87	789.783	-1098.197	D	0.311	23.221	23.532	1.34	0.259	0.032	0.002
0.007	0.002	0.008	0.001	3.920	2.820	3.990							

2003	287	23	81	777.710	-1118.013	D	0.004	23.221	23.225	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	288	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	289	23	100	792.475	-1082.967	D	0.075	23.221	23.296	0.32	0.047	0.025	0.000
0.001	0.000	0.002	0.000	3.920	2.820	3.990							
2003	290	23	87	789.783	-1098.197	D	0.078	23.221	23.299	0.34	0.043	0.033	0.000
0.001	0.000	0.001	0.000	3.920	2.820	3.990							
2003	291	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	292	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	293	23	81	777.710	-1118.013	D	0.011	23.221	23.233	0.05	0.009	0.002	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	294	23	81	777.710	-1118.013	D	0.081	23.221	23.302	0.35	0.051	0.026	0.000
0.001	0.000	0.002	0.000	3.920	2.820	3.990							
2003	295	23	81	777.710	-1118.013	D	0.053	23.221	23.274	0.23	0.025	0.019	0.001
0.002	0.001	0.003	0.004	3.920	2.820	3.990							
2003	296	23	81	777.710	-1118.013	D	0.258	23.221	23.479	1.11	0.140	0.109	0.001
0.003	0.001	0.004	0.000	3.920	2.820	3.990							
2003	297	23	120	785.506	-1068.610	D	0.008	23.221	23.230	0.04	0.004	0.004	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	298	23	81	777.710	-1118.013	D	0.004	23.221	23.226	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	299	23	81	777.710	-1118.013	D	0.027	23.221	23.248	0.12	0.015	0.012	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	300	23	81	777.710	-1118.013	D	0.001	23.221	23.222	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	301	23	120	785.506	-1068.610	D	0.069	23.221	23.291	0.30	0.048	0.015	0.001
0.002	0.001	0.002	0.001	3.920	2.820	3.990							
2003	302	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	303	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	304	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	305	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	306	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	307	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	308	23	81	777.710	-1118.013	D	0.106	23.235	23.342	0.46	0.077	0.023	0.001
0.002	0.001	0.003	0.000	3.930	2.830	4.010							
2003	309	23	81	777.710	-1118.013	D	1.074	23.235	24.309	4.62	0.655	0.328	0.009
0.026	0.008	0.032	0.016	3.930	2.830	4.010							
2003	310	23	81	777.710	-1118.013	D	0.108	23.235	23.344	0.47	0.071	0.033	0.000
0.001	0.000	0.002	0.000	3.930	2.830	4.010							
2003	311	23	87	789.783	-1098.197	D	0.015	23.235	23.251	0.07	0.011	0.004	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	312	23	81	777.710	-1118.013	D	0.000	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	313	23	116	788.252	-1072.109	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	314	23	120	785.506	-1068.610	D	0.000	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							

2003	315	23	120	785.506	-1068.610	D	0.001	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	316	23	113	790.111	-1074.751	D	0.066	23.235	23.301	0.28	0.026	0.037	0.000
0.001	0.000	0.001	0.000	3.930	2.830	4.010							
2003	317	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	318	23	119	786.393	-1069.467	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	319	23	117	788.168	-1071.180	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	320	23	113	790.111	-1074.751	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	321	23	120	785.506	-1068.610	D	0.010	23.235	23.245	0.04	0.003	0.005	0.000
0.000	0.000	0.000	0.001	3.930	2.830	4.010							
2003	322	23	87	789.783	-1098.197	D	0.010	23.235	23.245	0.04	0.002	0.006	0.000
0.000	0.000	0.000	0.001	3.930	2.830	4.010							
2003	323	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	324	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	325	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	326	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	327	23	81	777.710	-1118.013	D	0.011	23.235	23.247	0.05	0.000	0.009	0.000
0.000	0.000	0.000	0.002	3.930	2.830	4.010							
2003	328	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	329	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	330	23	115	789.140	-1072.966	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	331	23	81	777.710	-1118.013	D	0.019	23.235	23.254	0.08	0.005	0.013	0.000
0.000	0.000	0.000	0.001	3.930	2.830	4.010							
2003	332	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	333	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	334	23	81	777.710	-1118.013	D	0.080	23.235	23.316	0.35	0.041	0.036	0.000
0.001	0.000	0.001	0.000	3.930	2.830	4.010							
2003	335	23	81	777.710	-1118.013	D	0.013	23.365	23.378	0.06	0.007	0.006	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	336	23	120	785.506	-1068.610	D	0.004	23.365	23.368	0.02	0.002	0.001	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	337	23	120	785.506	-1068.610	D	0.887	23.365	24.252	3.80	0.377	0.486	0.003
0.008	0.002	0.010	0.002	4.060	2.900	4.110							
2003	338	23	81	777.710	-1118.013	D	0.391	23.365	23.756	1.67	0.174	0.207	0.001
0.003	0.001	0.004	0.001	4.060	2.900	4.110							
2003	339	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	340	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	341	23	98	791.753	-1083.968	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	342	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							

2003	343	23	87	789.783	-1098.197	D	0.034	23.365	23.399	0.15	0.007	0.024	0.000
0.001	0.000	0.001	0.002	4.060	2.900	4.110							
2003	344	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	345	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	346	23	81	777.710	-1118.013	D	0.002	23.365	23.367	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	347	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	348	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	349	23	85	785.607	-1106.067	D	0.041	23.365	23.405	0.17	0.021	0.017	0.000
0.001	0.000	0.001	0.001	4.060	2.900	4.110							
2003	350	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	351	23	81	777.710	-1118.013	D	0.905	23.365	24.270	3.88	0.224	0.590	0.006
0.019	0.006	0.023	0.038	4.060	2.900	4.110							
2003	352	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	353	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	354	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	355	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	356	23	104	792.307	-1081.109	D	0.089	23.365	23.454	0.38	0.028	0.058	0.000
0.000	0.000	0.001	0.001	4.060	2.900	4.110							
2003	357	23	99	792.559	-1083.896	D	0.001	23.365	23.366	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	358	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	359	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	360	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	361	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	362	23	81	777.710	-1118.013	D	0.097	23.365	23.462	0.42	0.007	0.088	0.000
0.000	0.000	0.000	0.003	4.060	2.900	4.110							
2003	363	23	81	777.710	-1118.013	D	0.001	23.365	23.366	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species																							
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)		
2003	201	23	120	785.506	-1068.610	D	1.195	23.733	24.928	5.04	0.823	0.303	0.007	0.021	0.006	0.026	0.008	4.410	3.100	4.440	1			
2003	309	23	81	777.710	-1118.013	D	1.074	23.235	24.309	4.62	0.655	0.328	0.009	0.026	0.008	0.032	0.016	3.930	2.830	4.010	2			
2003	200	23	120	785.506	-1068.610	D	1.052	23.733	24.785	4.43	0.802	0.201	0.006	0.017	0.005	0.021	0.001	4.410	3.100	4.440	3			
2003	31	23	81	777.710	-1118.013	D	1.011	23.376	24.388	4.33	0.397	0.581	0.003											

0.010	0.003	0.012	0.006	4.080	2.910	4.100	4						
2003	351	23	81	777.710	-1118.013	D	0.905	23.365	24.270	3.88	0.224	0.590	0.006
0.019	0.006	0.023	0.038	4.060	2.900	4.110	5						
2003	209	23	120	785.506	-1068.610	D	0.910	23.733	24.643	3.83	0.696	0.174	0.005
0.013	0.004	0.017	0.001	4.410	3.100	4.440	6						
2003	337	23	120	785.506	-1068.610	D	0.887	23.365	24.252	3.80	0.377	0.486	0.003
0.008	0.002	0.010	0.002	4.060	2.900	4.110	7						
2003	210	23	120	785.506	-1068.610	D	0.721	23.733	24.454	3.04	0.467	0.232	0.003
0.008	0.002	0.010	0.000	4.410	3.100	4.440	8						
2002	365	23	81	777.710	-1118.013	D	0.684	23.365	24.049	2.93	0.255	0.397	0.003
0.010	0.003	0.012	0.004	4.060	2.900	4.110	9						
2003	18	23	93	792.256	-1089.543	D	0.668	23.376	24.044	2.86	0.137	0.493	0.003
0.008	0.002	0.010	0.013	4.080	2.910	4.100	10						
2003	218	23	120	785.506	-1068.610	D	0.665	23.684	24.348	2.81	0.375	0.257	0.003
0.010	0.003	0.013	0.003	4.370	3.070	4.380	11						
2003	7	23	86	789.227	-1101.058	D	0.620	23.376	23.997	2.65	0.180	0.418	0.002
0.007	0.002	0.009	0.001	4.080	2.910	4.100	12						
2003	149	23	84	781.422	-1113.936	D	0.558	23.246	23.804	2.40	0.444	0.069	0.005
0.015	0.004	0.019	0.001	3.940	2.830	4.020	13						
2003	159	23	120	785.506	-1068.610	D	0.558	23.442	24.000	2.38	0.460	0.078	0.002
0.007	0.002	0.009	0.000	4.120	2.940	4.210	14						
2003	151	23	120	785.506	-1068.610	D	0.553	23.246	23.799	2.38	0.419	0.090	0.005
0.015	0.004	0.018	0.003	3.940	2.830	4.020	15						
2003	181	23	86	789.227	-1101.058	D	0.454	23.442	23.896	1.94	0.169	0.269	0.002
0.004	0.001	0.006	0.004	4.120	2.940	4.210	16						
2003	102	23	81	777.710	-1118.013	D	0.420	23.042	23.461	1.82	0.197	0.207	0.002
0.006	0.002	0.007	0.000	3.740	2.720	3.850	17						
2003	213	23	120	785.506	-1068.610	D	0.422	23.684	24.106	1.78	0.297	0.106	0.002
0.006	0.002	0.007	0.002	4.370	3.070	4.380	18						
2003	80	23	87	789.783	-1098.197	D	0.402	23.085	23.488	1.74	0.110	0.277	0.002
0.005	0.002	0.006	0.001	3.790	2.740	3.870	19						
2003	32	23	81	777.710	-1118.013	D	0.402	23.114	23.516	1.74	0.193	0.199	0.001
0.003	0.001	0.004	0.000	3.820	2.760	3.890	20						
2003	4	23	120	785.506	-1068.610	D	0.399	23.376	23.775	1.71	0.127	0.258	0.001
0.004	0.001	0.005	0.001	4.080	2.910	4.100	21						
2003	43	23	120	785.506	-1068.610	D	0.392	23.114	23.506	1.70	0.161	0.219	0.001
0.004	0.001	0.005	0.000	3.820	2.760	3.890	22						

--- Number of days with Extinction Change => 5.0 % : 1

--- Number of days with Extinction Change => 10.0 % : 0

--- Largest Extinction Change = 5.04 %

CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

120 785.506 -1068.610 D 0.055 23.339 23.394 0.24

--- Number of recs with Extinction Change > 1.0 % : 0
--- Largest Extinction Change = 0.24 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME

% of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2002	365	23	81	777.710 -1118.013	D	8.775	8.486	0.288	37.25	58.06	0.49	1.43	0.43	1.78	0.56	4.060	2.900	4.110
2003	1	23	88	791.229 -1096.193	D	8.638	8.491	0.146	24.00	71.45	0.43	1.26	1.58	0.90	4.080	2.910	4.100	
2003	2	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	
2003	3	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	
2003	4	23	120	785.506 -1068.610	D	8.661	8.491	0.169	31.92	64.61	0.38	1.09	1.37	0.30	4.080	2.910	4.100	
2003	5	23	81	777.710 -1118.013	D	8.579	8.491	0.088	27.19	69.77	0.35	1.03	1.29	0.06	4.080	2.910	4.100	
2003	6	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	
2003	7	23	86	789.227 -1101.058	D	8.753	8.491	0.262	29.09	67.41	0.40	1.16	1.45	0.16	4.080	2.910	4.100	
2003	8	23	120	785.506 -1068.610	D	8.579	8.491	0.087	20.51	71.57	0.57	1.66	2.07	3.12	4.080	2.910	4.100	
2003	9	23	81	777.710 -1118.013	D	8.548	8.491	0.057	18.99	71.05	0.65	1.88	2.36	4.50	4.080	2.910	4.100	
2003	10	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	
2003	11	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	
2003	12	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	

2003	13	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	14	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	15	23	86	789.227	-1101.058	D	8.563	8.491	0.071	40.85	55.14	0.44	1.29	0.39	
1.61	0.29	4.080	2.910	4.100											
2003	16	23	81	777.710	-1118.013	D	8.491	8.491	0.000	43.75	35.94	0.00	1.30	0.39	
1.62	0.00	4.080	2.910	4.100											
2003	17	23	81	777.710	-1118.013	D	8.530	8.491	0.038	27.49	69.56	0.34	0.98	0.29	
1.22	0.13	4.080	2.910	4.100											
2003	18	23	93	792.256	-1089.543	D	8.773	8.491	0.282	20.57	73.89	0.42	1.23	0.37	
1.54	1.96	4.080	2.910	4.100											
2003	19	23	120	785.506	-1068.610	D	8.542	8.491	0.051	29.66	67.87	0.29	0.85		
0.26	1.06	0.00	4.080	2.910	4.100										
2003	20	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	21	23	85	785.607	-1106.067	D	8.620	8.491	0.128	35.15	56.41	0.56	1.62	0.49	
2.03	3.75	4.080	2.910	4.100											
2003	22	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	23	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	24	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	25	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	26	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	27	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.080	2.910	4.100											
2003	28	23	120	785.506	-1068.610	D	8.492	8.491	0.000	52.78	45.34	0.27	0.68		
0.20	0.85	0.03	4.080	2.910	4.100										
2003	29	23	81	777.710	-1118.013	D	8.577	8.491	0.086	14.17	79.53	0.23	0.67	0.20	
0.83	4.36	4.080	2.910	4.100											
2003	30	23	120	785.506	-1068.610	D	8.596	8.491	0.104	45.49	50.52	0.39	1.15		
0.35	1.44	0.67	4.080	2.910	4.100										
2003	31	23	81	777.710	-1118.013	D	8.915	8.491	0.423	39.25	57.42	0.33	0.96	0.29	
1.20	0.56	4.080	2.910	4.100											
2003	32	23	81	777.710	-1118.013	D	8.551	8.379	0.172	48.00	49.57	0.29	0.83	0.25	
1.04	0.01	3.820	2.760	3.890											
2003	33	23	120	785.506	-1068.610	D	8.458	8.379	0.079	37.64	60.36	0.24	0.69		
0.21	0.87	0.00	3.820	2.760	3.890										
2003	34	23	81	777.710	-1118.013	D	8.389	8.379	0.011	16.59	69.87	0.53	1.54	0.46	
1.92	9.10	3.820	2.760	3.890											
2003	35	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890											
2003	36	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890											
2003	37	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890											
2003	38	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890											
2003	39	23	81	777.710	-1118.013	D	8.379	8.379	0.000	65.18	29.46	0.00	0.31	0.09	
0.38	0.00	3.820	2.760	3.890											
2003	40	23	81	777.710	-1118.013	D	8.437	8.379	0.058	27.23	68.00	0.28	0.81	0.25	
1.02	2.41	3.820	2.760	3.890											

2003	41	23	81	777.710	-1118.013	D	8.379	8.379	0.000	70.71	28.32	0.13	0.36	0.11
0.45	0.00	3.820	2.760	3.890										
2003	42	23	120	785.506	-1068.610	D	8.497	8.379	0.119	47.13	49.40	0.41	1.19	
0.36	1.49	0.01	3.820	2.760	3.890									
2003	43	23	120	785.506	-1068.610	D	8.547	8.379	0.168	41.10	55.96	0.35	1.01	
0.31	1.27	0.00	3.820	2.760	3.890									
2003	44	23	118	787.281	-1070.324	D	8.379	8.379	0.000	57.35	39.15	0.00	0.63	
0.19	0.78	0.00	3.820	2.760	3.890									
2003	45	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890										
2003	46	23	81	777.710	-1118.013	D	8.409	8.379	0.030	16.84	76.78	0.36	1.05	0.32
1.31	3.34	3.820	2.760	3.890										
2003	47	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890										
2003	48	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.820	2.760	3.890										
2003	49	23	81	777.710	-1118.013	D	8.384	8.379	0.005	48.70	48.30	0.35	1.03	0.31
1.29	0.01	3.820	2.760	3.890										
2003	50	23	120	785.506	-1068.610	D	8.382	8.379	0.003	52.31	44.85	0.34	0.98	
0.30	1.23	0.00	3.820	2.760	3.890									
2003	51	23	106	791.334	-1079.323	D	8.379	8.379	0.000	25.00	25.00	0.00	0.41	
0.12	0.51	0.01	3.820	2.760	3.890									
2003	52	23	89	791.146	-1095.264	D	8.395	8.379	0.016	55.16	28.01	1.15	3.36	1.01
4.20	7.11	3.820	2.760	3.890										
2003	53	23	81	777.710	-1118.013	D	8.379	8.379	0.000	33.68	62.33	0.00	1.44	0.44
1.81	0.02	3.820	2.760	3.890										
2003	54	23	120	785.506	-1068.610	D	8.386	8.379	0.008	37.03	59.04	0.46	1.35	
0.41	1.69	0.01	3.820	2.760	3.890									
2003	55	23	120	785.506	-1068.610	D	8.384	8.379	0.005	43.67	52.94	0.40	1.17	
0.35	1.46	0.00	3.820	2.760	3.890									
2003	56	23	120	785.506	-1068.610	D	8.380	8.379	0.001	40.50	56.59	0.34	1.00	
0.30	1.25	0.00	3.820	2.760	3.890									
2003	57	23	81	777.710	-1118.013	D	8.391	8.379	0.012	25.96	67.86	0.42	1.22	0.37
1.52	2.66	3.820	2.760	3.890										
2003	58	23	81	777.710	-1118.013	D	8.388	8.379	0.009	35.92	63.20	0.06	0.16	0.05
0.20	0.40	3.820	2.760	3.890										
2003	59	23	81	777.710	-1118.013	D	8.387	8.379	0.009	43.53	55.95	0.04	0.13	0.04
0.16	0.15	3.820	2.760	3.890										
2003	60	23	81	777.710	-1118.013	D	8.368	8.366	0.001	79.44	20.23	0.04	0.10	0.03
0.13	0.02	3.790	2.740	3.870										
2003	61	23	81	777.710	-1118.013	D	8.366	8.366	0.000	91.95	7.99	0.00	0.03	0.01
0.03	0.00	3.790	2.740	3.870										
2003	62	23	119	786.393	-1069.467	D	8.366	8.366	0.000	85.49	14.27	0.00	0.10	
0.03	0.13	0.00	3.790	2.740	3.870									
2003	63	23	120	785.506	-1068.610	D	8.369	8.366	0.003	56.76	41.94	0.16	0.45	
0.13	0.56	0.00	3.790	2.740	3.870									
2003	64	23	120	785.506	-1068.610	D	8.376	8.366	0.010	42.01	55.33	0.14	0.40	
0.12	0.50	1.51	3.790	2.740	3.870									
2003	65	23	81	777.710	-1118.013	D	8.368	8.366	0.002	63.05	35.52	0.17	0.49	0.15
0.61	0.00	3.790	2.740	3.870										
2003	66	23	120	785.506	-1068.610	D	8.369	8.366	0.003	62.65	35.66	0.20	0.59	
0.18	0.73	0.00	3.790	2.740	3.870									
2003	67	23	120	785.506	-1068.610	D	8.370	8.366	0.004	70.28	27.85	0.23	0.65	
0.20	0.81	0.00	3.790	2.740	3.870									
2003	68	23	81	777.710	-1118.013	D	8.369	8.366	0.003	73.44	24.58	0.23	0.68	0.21
0.86	0.00	3.790	2.740	3.870										

2003	69	23	81	777.710	-1118.013	D	8.369	8.366	0.003	73.38	24.59	0.24	0.70	0.21
0.87	0.00	3.790	2.740	3.870										
2003	70	23	120	785.506	-1068.610	D	8.367	8.366	0.001	71.90	26.37	0.22	0.60	
0.18	0.75	0.00	3.790	2.740	3.870									
2003	71	23	119	786.393	-1069.467	D	8.366	8.366	0.000	43.75	53.57	0.00	0.22	
0.06	0.27	0.74	3.790	2.740	3.870									
2003	72	23	120	785.506	-1068.610	D	8.370	8.366	0.004	22.20	76.95	0.01	0.01	
0.00	0.02	0.81	3.790	2.740	3.870									
2003	73	23	81	777.710	-1118.013	D	8.389	8.366	0.023	42.88	54.64	0.28	0.81	0.24
1.01	0.14	3.790	2.740	3.870										
2003	74	23	120	785.506	-1068.610	D	8.375	8.366	0.009	38.46	59.69	0.21	0.63	
0.19	0.78	0.03	3.790	2.740	3.870									
2003	75	23	120	785.506	-1068.610	D	8.366	8.366	0.000	68.12	30.00	0.00	0.17	
0.05	0.21	0.00	3.790	2.740	3.870									
2003	76	23	81	777.710	-1118.013	D	8.366	8.366	0.000	40.78	56.47	0.29	0.88	0.27
1.11	0.15	3.790	2.740	3.870										
2003	77	23	120	785.506	-1068.610	D	8.424	8.366	0.058	38.63	52.86	0.54	1.56	
0.47	1.95	3.99	3.790	2.740	3.870									
2003	78	23	120	785.506	-1068.610	D	8.366	8.366	0.000	46.63	37.74	1.28	3.86	
1.16	4.83	4.84	3.790	2.740	3.870									
2003	79	23	81	777.710	-1118.013	D	8.469	8.366	0.103	41.32	51.97	0.63	1.85	0.56
2.31	1.37	3.790	2.740	3.870										
2003	80	23	87	789.783	-1098.197	D	8.539	8.366	0.173	27.26	68.91	0.43	1.25	0.38
1.56	0.22	3.790	2.740	3.870										
2003	81	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.790	2.740	3.870										
2003	82	23	81	777.710	-1118.013	D	8.366	8.366	0.000	53.12	42.42	0.62	1.14	0.34
1.43	0.00	3.790	2.740	3.870										
2003	83	23	120	785.506	-1068.610	D	8.369	8.366	0.003	53.29	43.54	0.38	1.09	
0.33	1.37	0.00	3.790	2.740	3.870									
2003	84	23	120	785.506	-1068.610	D	8.374	8.366	0.008	68.91	27.26	0.45	1.32	
0.40	1.65	0.02	3.790	2.740	3.870									
2003	85	23	120	785.506	-1068.610	D	8.368	8.366	0.002	72.14	24.74	0.38	1.09	
0.33	1.36	0.00	3.790	2.740	3.870									
2003	86	23	120	785.506	-1068.610	D	8.367	8.366	0.001	69.20	28.23	0.31	0.88	
0.27	1.10	0.00	3.790	2.740	3.870									
2003	87	23	81	777.710	-1118.013	D	8.464	8.366	0.097	55.38	40.67	0.46	1.34	0.40
1.68	0.07	3.790	2.740	3.870										
2003	88	23	81	777.710	-1118.013	D	8.366	8.366	0.000	61.31	38.17	0.00	0.60	0.18
0.75	0.00	3.790	2.740	3.870										
2003	89	23	120	785.506	-1068.610	D	8.368	8.366	0.002	53.17	42.59	0.51	1.47	
0.44	1.83	0.00	3.790	2.740	3.870									
2003	90	23	120	785.506	-1068.610	D	8.421	8.366	0.055	32.49	64.70	0.33	0.97	
0.29	1.21	0.00	3.790	2.740	3.870									
2003	91	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	92	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	93	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	94	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	95	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	96	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										

2003	97	23	120	785.506	-1068.610	D	8.352	8.347	0.005	32.95	66.48	0.07	0.19	
0.06	0.24	0.02	3.740	2.720	3.850									
2003	98	23	88	791.229	-1096.193	D	8.350	8.347	0.003	32.44	67.01	0.06	0.18	0.06
0.23	0.01	3.740	2.720	3.850										
2003	99	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	100	23	81	777.710	-1118.013	D	8.348	8.347	0.000	61.21	34.26	0.53	1.56	
0.47	1.95	0.00	3.740	2.720	3.850									
2003	101	23	81	777.710	-1118.013	D	8.354	8.347	0.007	55.44	40.16	0.52	1.52	
0.46	1.90	0.00	3.740	2.720	3.850									
2003	102	23	81	777.710	-1118.013	D	8.528	8.347	0.181	46.92	49.28	0.45	1.31	
0.40	1.64	0.00	3.740	2.720	3.850									
2003	103	23	81	777.710	-1118.013	D	8.350	8.347	0.003	65.94	30.94	0.37	1.08	
0.33	1.35	0.00	3.740	2.720	3.850									
2003	104	23	81	777.710	-1118.013	D	8.354	8.347	0.006	60.39	36.65	0.35	1.02	
0.31	1.28	0.00	3.740	2.720	3.850									
2003	105	23	120	785.506	-1068.610	D	8.347	8.347	0.000	71.78	24.09	0.58	1.33	
0.40	1.66	0.00	3.740	2.720	3.850									
2003	106	23	86	789.227	-1101.058	D	8.400	8.347	0.052	50.57	44.49	0.58	1.70	
0.51	2.13	0.01	3.740	2.720	3.850									
2003	107	23	81	777.710	-1118.013	D	8.348	8.347	0.001	52.44	44.55	0.35	1.03	
0.31	1.28	0.00	3.740	2.720	3.850									
2003	108	23	81	777.710	-1118.013	D	8.348	8.347	0.001	45.38	52.06	0.29	0.88	
0.26	1.10	0.00	3.740	2.720	3.850									
2003	109	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	110	23	82	779.971	-1115.939	D	8.412	8.347	0.065	75.06	14.37	0.98	2.86	
0.86	3.58	2.29	3.740	2.720	3.850									
2003	111	23	81	777.710	-1118.013	D	8.350	8.347	0.003	55.93	39.85	0.47	1.37	
0.41	1.71	0.25	3.740	2.720	3.850									
2003	112	23	81	777.710	-1118.013	D	8.348	8.347	0.000	73.93	22.38	0.43	1.29	
0.39	1.62	0.00	3.740	2.720	3.850									
2003	113	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	114	23	81	777.710	-1118.013	D	8.364	8.347	0.017	29.67	64.03	0.61	1.78	
0.54	2.23	1.14	3.740	2.720	3.850									
2003	115	23	88	791.229	-1096.193	D	8.351	8.347	0.004	27.61	67.30	0.50	1.47	
0.44	1.84	0.85	3.740	2.720	3.850									
2003	116	23	81	777.710	-1118.013	D	8.347	8.347	0.000	95.04	4.66	0.00	0.09	0.03
0.11	0.00	3.740	2.720	3.850										
2003	117	23	81	777.710	-1118.013	D	8.347	8.347	0.000	95.31	5.47	0.00	0.07	0.02
0.08	0.00	3.740	2.720	3.850										
2003	118	23	81	777.710	-1118.013	D	8.347	8.347	0.000	87.50	3.12	0.00	0.07	0.02
0.09	0.00	3.740	2.720	3.850										
2003	119	23	81	777.710	-1118.013	D	8.347	8.347	0.000	96.88	4.69	0.00	0.07	0.02
0.09	0.00	3.740	2.720	3.850										
2003	120	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	121	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	122	23	120	785.506	-1068.610	D	8.436	8.435	0.000	39.89	52.59	0.53	1.75	
0.53	2.19	2.73	3.940	2.830	4.020									
2003	123	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	124	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										

2003	125	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	126	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	127	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	128	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	129	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	130	23	120	785.506	-1068.610	D	8.437	8.435	0.001	63.55	31.80	0.54	1.58		
0.48	1.98	0.08	3.940	2.830	4.020										
2003	131	23	120	785.506	-1068.610	D	8.451	8.435	0.016	69.38	27.59	0.35	1.03		
0.31	1.29	0.05	3.940	2.830	4.020										
2003	132	23	81	777.710	-1118.013	D	8.440	8.435	0.005	75.27	21.40	0.39	1.15		
0.35	1.44	0.00	3.940	2.830	4.020										
2003	133	23	120	785.506	-1068.610	D	8.437	8.435	0.001	79.66	18.59	0.20	0.60		
0.18	0.75	0.00	3.940	2.830	4.020										
2003	134	23	107	790.446	-1078.467	D	8.435	8.435	0.000	66.25	30.78	0.00	0.30		
0.09	0.37	0.00	3.940	2.830	4.020										
2003	135	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	136	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020											
2003	137	23	120	785.506	-1068.610	D	8.446	8.435	0.011	82.47	11.31	0.73	2.12		
0.64	2.66	0.07	3.940	2.830	4.020										
2003	138	23	120	785.506	-1068.610	D	8.441	8.435	0.006	44.61	50.51	0.56	1.65		
0.50	2.06	0.12	3.940	2.830	4.020										
2003	139	23	120	785.506	-1068.610	D	8.436	8.435	0.000	76.94	21.54	0.17	0.49		
0.15	0.61	0.00	3.940	2.830	4.020										
2003	140	23	81	777.710	-1118.013	D	8.436	8.435	0.001	85.47	11.82	0.31	0.95		
0.29	1.19	0.00	3.940	2.830	4.020										
2003	141	23	81	777.710	-1118.013	D	8.436	8.435	0.000	85.20	13.77	0.20	0.42		
0.13	0.53	0.00	3.940	2.830	4.020										
2003	142	23	81	777.710	-1118.013	D	8.435	8.435	0.000	118.75	1.56	0.00	0.11		
0.03	0.14	0.00	3.940	2.830	4.020										
2003	143	23	81	777.710	-1118.013	D	8.435	8.435	0.000	87.50	1.56	0.00	0.01	0.00	
0.01	0.00	3.940	2.830	4.020											
2003	144	23	120	785.506	-1068.610	D	8.442	8.435	0.006	81.52	14.87	0.43	1.25		
0.38	1.56	0.00	3.940	2.830	4.020										
2003	145	23	120	785.506	-1068.610	D	8.508	8.435	0.072	53.40	44.17	0.29	0.84		
0.25	1.05	0.00	3.940	2.830	4.020										
2003	146	23	81	777.710	-1118.013	D	8.507	8.435	0.071	76.95	19.46	0.42	1.23		
0.37	1.54	0.02	3.940	2.830	4.020										
2003	147	23	81	777.710	-1118.013	D	8.435	8.435	0.000	95.39	2.14	0.00	0.48	0.14	
0.60	0.00	3.940	2.830	4.020											
2003	148	23	81	777.710	-1118.013	D	8.444	8.435	0.009	84.45	9.74	0.69	2.01	0.60	
2.51	0.00	3.940	2.830	4.020											
2003	149	23	84	781.422	-1113.936	D	8.672	8.435	0.237	79.64	12.41	0.92	2.67		
0.81	3.34	0.21	3.940	2.830	4.020										
2003	150	23	120	785.506	-1068.610	D	8.501	8.435	0.065	71.60	24.31	0.48	1.41		
0.43	1.77	0.00	3.940	2.830	4.020										
2003	151	23	120	785.506	-1068.610	D	8.671	8.435	0.235	75.69	16.18	0.91	2.65		
0.80	3.31	0.46	3.940	2.830	4.020										
2003	152	23	120	785.506	-1068.610	D	8.520	8.519	0.001	67.34	30.17	0.28	0.86		
0.26	1.08	0.00	4.120	2.940	4.210										

2003	153	23	120	785.506	-1068.610	D	8.520	8.519	0.000	52.52	44.95	0.23	0.83	
0.25	1.04	0.05	4.120	2.940	4.210									
2003	154	23	120	785.506	-1068.610	D	8.530	8.519	0.011	70.74	27.06	0.25	0.74	
0.22	0.92	0.06	4.120	2.940	4.210									
2003	155	23	87	789.783	-1098.197	D	8.521	8.519	0.001	64.82	33.75	0.17	0.48	
0.15	0.60	0.00	4.120	2.940	4.210									
2003	156	23	120	785.506	-1068.610	D	8.526	8.519	0.007	44.42	53.58	0.20	0.57	
0.17	0.71	0.35	4.120	2.940	4.210									
2003	157	23	120	785.506	-1068.610	D	8.537	8.519	0.017	60.50	35.17	0.25	0.71	
0.22	0.89	2.26	4.120	2.940	4.210									
2003	158	23	81	777.710	-1118.013	D	8.601	8.519	0.082	91.06	5.56	0.40	1.16	0.35
1.46	0.01	4.120	2.940	4.210										
2003	159	23	120	785.506	-1068.610	D	8.755	8.519	0.235	82.42	13.97	0.43	1.24	
0.38	1.56	0.00	4.120	2.940	4.210									
2003	160	23	120	785.506	-1068.610	D	8.577	8.519	0.058	68.21	29.59	0.26	0.76	
0.23	0.95	0.00	4.120	2.940	4.210									
2003	161	23	102	792.391	-1082.038	D	8.519	8.519	0.000	75.00	12.50	0.00	0.18	
0.06	0.23	0.00	4.120	2.940	4.210									
2003	162	23	120	785.506	-1068.610	D	8.519	8.519	0.000	87.50	0.00	0.00	0.02	
0.00	0.02	0.00	4.120	2.940	4.210									
2003	163	23	81	777.710	-1118.013	D	8.519	8.519	0.000	75.00	0.00	0.00	0.01	0.00
0.02	0.00	4.120	2.940	4.210										
2003	164	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	165	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	166	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	167	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	168	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	169	23	120	785.506	-1068.610	D	8.535	8.519	0.016	88.74	7.30	0.47	1.36	
0.41	1.70	0.03	4.120	2.940	4.210									
2003	170	23	120	785.506	-1068.610	D	8.537	8.519	0.018	71.46	25.72	0.33	0.97	
0.29	1.21	0.01	4.120	2.940	4.210									
2003	171	23	120	785.506	-1068.610	D	8.523	8.519	0.004	63.84	34.33	0.22	0.63	
0.19	0.79	0.00	4.120	2.940	4.210									
2003	172	23	120	785.506	-1068.610	D	8.519	8.519	0.000	94.15	5.92	0.00	0.04	
0.01	0.05	0.00	4.120	2.940	4.210									
2003	173	23	116	788.252	-1072.109	D	8.519	8.519	0.000	97.12	0.24	0.00	0.01	
0.00	0.01	0.00	4.120	2.940	4.210									
2003	174	23	115	789.140	-1072.966	D	8.519	8.519	0.000	87.50	0.00	0.00	0.00	
0.00	0.00	0.00	4.120	2.940	4.210									
2003	175	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	176	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.120	2.940	4.210										
2003	177	23	120	785.506	-1068.610	D	8.520	8.519	0.001	96.19	3.08	0.09	0.24	
0.07	0.30	0.01	4.120	2.940	4.210									
2003	178	23	81	777.710	-1118.013	D	8.523	8.519	0.003	86.21	12.60	0.14	0.40	
0.12	0.50	0.02	4.120	2.940	4.210									
2003	179	23	81	777.710	-1118.013	D	8.519	8.519	0.000	98.81	0.60	0.00	0.02	0.01
0.03	0.00	4.120	2.940	4.210										
2003	180	23	120	785.506	-1068.610	D	8.520	8.519	0.000	46.15	45.77	0.38	0.71	
0.21	0.89	5.53	4.120	2.940	4.210									

2003	181	23	86	789.227	-1101.058	D	8.711	8.519	0.192	37.11	59.20	0.33	0.97
0.29	1.21	0.88	4.410	2.940	4.210								
2003	182	23	120	785.506	-1068.610	D	8.797	8.643	0.155	75.00	21.29	0.44	1.27
0.38	1.59	0.02	4.410	3.100	4.440								
2003	183	23	120	785.506	-1068.610	D	8.654	8.643	0.011	64.16	33.19	0.31	0.91
0.28	1.14	0.00	4.410	3.100	4.440								
2003	184	23	120	785.506	-1068.610	D	8.643	8.643	0.000	59.48	38.68	0.27	0.55
0.17	0.69	0.00	4.410	3.100	4.440								
2003	185	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440									
2003	186	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440									
2003	187	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440									
2003	188	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440									
2003	189	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440									
2003	190	23	120	785.506	-1068.610	D	8.656	8.643	0.013	88.02	6.89	0.60	1.75
0.53	2.19	0.03	4.410	3.100	4.440								
2003	191	23	120	785.506	-1068.610	D	8.723	8.643	0.080	82.73	13.10	0.46	1.34
0.40	1.67	0.29	4.410	3.100	4.440								
2003	192	23	120	785.506	-1068.610	D	8.694	8.643	0.051	79.78	17.01	0.36	1.06
0.32	1.32	0.15	4.410	3.100	4.440								
2003	193	23	120	785.506	-1068.610	D	8.655	8.643	0.012	90.43	7.51	0.24	0.71
0.21	0.89	0.01	4.410	3.100	4.440								
2003	194	23	120	785.506	-1068.610	D	8.644	8.643	0.001	79.49	19.23	0.16	0.43
0.13	0.54	0.00	4.410	3.100	4.440								
2003	195	23	120	785.506	-1068.610	D	8.643	8.643	0.000	93.04	5.11	0.28	0.41
0.12	0.52	0.00	4.410	3.100	4.440								
2003	196	23	120	785.506	-1068.610	D	8.643	8.643	0.000	94.08	4.05	0.26	0.71
0.21	0.89	0.00	4.410	3.100	4.440								
2003	197	23	120	785.506	-1068.610	D	8.660	8.643	0.018	85.89	10.62	0.41	1.20
0.36	1.50	0.01	4.410	3.100	4.440								
2003	198	23	120	785.506	-1068.610	D	8.672	8.643	0.029	75.53	21.25	0.38	1.11
0.33	1.39	0.00	4.410	3.100	4.440								
2003	199	23	120	785.506	-1068.610	D	8.807	8.643	0.165	73.14	23.66	0.38	1.11
0.33	1.38	0.00	4.410	3.100	4.440								
2003	200	23	120	785.506	-1068.610	D	9.077	8.643	0.434	76.24	19.08	0.54	1.58
0.48	1.98	0.10	4.410	3.100	4.440								
2003	201	23	120	785.506	-1068.610	D	9.134	8.643	0.491	68.88	25.38	0.61	1.77
0.53	2.21	0.63	4.410	3.100	4.440								
2003	202	23	120	785.506	-1068.610	D	8.753	8.643	0.110	43.14	52.46	0.46	1.34
0.40	1.68	0.52	4.410	3.100	4.440								
2003	203	23	120	785.506	-1068.610	D	8.731	8.643	0.088	56.14	39.53	0.44	1.29
0.39	1.61	0.60	4.410	3.100	4.440								
2003	204	23	99	792.559	-1083.896	D	8.772	8.643	0.130	61.48	35.22	0.36	1.04
0.31	1.30	0.29	4.410	3.100	4.440								
2003	205	23	81	777.710	-1118.013	D	8.673	8.643	0.030	84.23	13.10	0.32	0.92
0.28	1.15	0.00	4.410	3.100	4.440								
2003	206	23	120	785.506	-1068.610	D	8.644	8.643	0.002	81.62	16.30	0.25	0.73
0.22	0.91	0.00	4.410	3.100	4.440								
2003	207	23	120	785.506	-1068.610	D	8.643	8.643	0.000	89.42	8.70	0.21	0.65
0.20	0.82	0.00	4.410	3.100	4.440								
2003	208	23	120	785.506	-1068.610	D	8.681	8.643	0.038	87.97	8.72	0.39	1.14
0.35	1.43	0.00	4.410	3.100	4.440								

2003	209	23	120	785.506	-1068.610	D	9.019	8.643	0.376	76.46	19.17	0.50	1.46
0.44	1.83	0.13	4.410	3.100	4.440								
2003	210	23	120	785.506	-1068.610	D	8.942	8.643	0.299	64.77	32.14	0.37	1.06
0.32	1.33	0.02	4.410	3.100	4.440								
2003	211	23	120	785.506	-1068.610	D	8.652	8.643	0.009	66.80	30.97	0.26	0.77
0.23	0.96	0.00	4.410	3.100	4.440								
2003	212	23	120	785.506	-1068.610	D	8.668	8.643	0.025	70.27	24.43	0.55	1.61
0.48	2.01	0.65	4.410	3.100	4.440								
2003	213	23	120	785.506	-1068.610	D	8.799	8.622	0.177	70.40	25.13	0.47	1.36
0.41	1.70	0.53	4.370	3.070	4.380								
2003	214	23	120	785.506	-1068.610	D	8.684	8.622	0.062	62.67	34.80	0.29	0.86
0.26	1.07	0.03	4.370	3.070	4.380								
2003	215	23	120	785.506	-1068.610	D	8.629	8.622	0.007	72.49	21.98	0.65	1.89
0.57	2.37	0.05	4.370	3.070	4.380								
2003	216	23	120	785.506	-1068.610	D	8.643	8.622	0.021	54.23	42.05	0.43	1.27
0.38	1.59	0.05	4.370	3.070	4.380								
2003	217	23	120	785.506	-1068.610	D	8.653	8.622	0.031	49.39	45.89	0.49	1.44
0.43	1.80	0.57	4.370	3.070	4.380								
2003	218	23	120	785.506	-1068.610	D	8.899	8.622	0.277	56.46	38.73	0.52	1.51
0.46	1.89	0.44	4.370	3.070	4.380								
2003	219	23	87	789.783	-1098.197	D	8.767	8.622	0.145	46.36	51.04	0.30	0.87
0.26	1.09	0.09	4.370	3.070	4.380								
2003	220	23	81	777.710	-1118.013	D	8.641	8.622	0.019	86.77	10.14	0.37	1.07
0.32	1.34	0.00	4.370	3.070	4.380								
2003	221	23	81	777.710	-1118.013	D	8.666	8.622	0.044	88.25	8.70	0.36	1.05
1.32	0.00	4.370	3.070	4.380									
2003	222	23	81	777.710	-1118.013	D	8.726	8.622	0.104	91.51	5.42	0.36	1.06
1.32	0.00	4.370	3.070	4.380									
2003	223	23	81	777.710	-1118.013	D	8.751	8.622	0.129	82.20	15.25	0.30	0.88
0.27	1.10	0.00	4.370	3.070	4.380								
2003	224	23	81	777.710	-1118.013	D	8.642	8.622	0.020	79.96	18.26	0.21	0.62
0.19	0.77	0.00	4.370	3.070	4.380								
2003	225	23	120	785.506	-1068.610	D	8.623	8.622	0.001	82.10	16.49	0.16	0.49
0.15	0.62	0.00	4.370	3.070	4.380								
2003	226	23	120	785.506	-1068.610	D	8.623	8.622	0.001	91.79	6.82	0.17	0.48
0.15	0.60	0.00	4.370	3.070	4.380								
2003	227	23	120	785.506	-1068.610	D	8.623	8.622	0.001	93.31	5.43	0.16	0.45
0.14	0.57	0.00	4.370	3.070	4.380								
2003	228	23	120	785.506	-1068.610	D	8.623	8.622	0.000	92.75	6.07	0.12	0.42
0.13	0.52	0.00	4.370	3.070	4.380								
2003	229	23	81	777.710	-1118.013	D	8.625	8.622	0.003	93.53	4.09	0.29	0.81
1.02	0.00	4.370	3.070	4.380									
2003	230	23	81	777.710	-1118.013	D	8.626	8.622	0.004	93.38	4.34	0.27	0.79
0.99	0.00	4.370	3.070	4.380									
2003	231	23	120	785.506	-1068.610	D	8.627	8.622	0.005	88.89	9.21	0.22	0.66
0.20	0.82	0.00	4.370	3.070	4.380								
2003	232	23	120	785.506	-1068.610	D	8.627	8.622	0.005	84.17	14.27	0.18	0.54
0.16	0.67	0.00	4.370	3.070	4.380								
2003	233	23	120	785.506	-1068.610	D	8.623	8.622	0.001	80.49	18.22	0.16	0.43
0.13	0.54	0.00	4.370	3.070	4.380								
2003	234	23	119	786.393	-1069.467	D	8.622	8.622	0.000	91.45	5.26	0.00	0.41
0.12	0.51	0.00	4.370	3.070	4.380								
2003	235	23	81	777.710	-1118.013	D	8.622	8.622	0.000	97.06	2.06	0.29	0.40
0.50	0.00	4.370	3.070	4.380									
2003	236	23	81	777.710	-1118.013	D	8.622	8.622	0.000	85.19	12.51	0.30	0.80
0.24	0.99	0.00	4.370	3.070	4.380								

2003	237	23	81	777.710	-1118.013	D	8.622	8.622	0.000	96.41	2.13	0.27	0.56	0.17
0.71	0.00	4.370	3.070	4.380										
2003	238	23	81	777.710	-1118.013	D	8.622	8.622	0.000	95.42	2.92	0.33	0.63	0.19
0.79	0.00	4.370	3.070	4.380										
2003	239	23	81	777.710	-1118.013	D	8.622	8.622	0.000	50.00	0.00	0.00	0.05	0.01
0.06	0.00	4.370	3.070	4.380										
2003	240	23	96	792.004	-1086.756	D	8.622	8.622	0.000	87.50	1.56	0.00	0.34	0.10
0.43	0.00	4.370	3.070	4.380										
2003	241	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.370	3.070	4.380										
2003	242	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.370	3.070	4.380										
2003	243	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.370	3.070	4.380										
2003	244	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	245	23	119	786.393	-1069.467	D	8.541	8.541	0.000	90.13	8.88	0.00	0.05	
0.01	0.06	0.01	4.180	2.970	4.230									
2003	246	23	120	785.506	-1068.610	D	8.554	8.541	0.013	85.77	11.90	0.28	0.80	
0.24	1.00	0.00	4.180	2.970	4.230									
2003	247	23	81	777.710	-1118.013	D	8.543	8.541	0.001	93.89	4.17	0.23	0.67	0.20
0.84	0.00	4.180	2.970	4.230										
2003	248	23	81	777.710	-1118.013	D	8.542	8.541	0.001	94.02	4.60	0.15	0.48	0.14
0.60	0.00	4.180	2.970	4.230										
2003	249	23	81	777.710	-1118.013	D	8.546	8.541	0.005	92.40	5.95	0.20	0.57	0.17
0.72	0.00	4.180	2.970	4.230										
2003	250	23	87	789.783	-1098.197	D	8.558	8.541	0.016	74.97	23.23	0.21	0.62	
0.19	0.78	0.00	4.180	2.970	4.230									
2003	251	23	87	789.783	-1098.197	D	8.555	8.541	0.014	78.28	20.15	0.19	0.55	
0.16	0.68	0.00	4.180	2.970	4.230									
2003	252	23	120	785.506	-1068.610	D	8.547	8.541	0.006	87.78	10.90	0.16	0.45	
0.14	0.57	0.00	4.180	2.970	4.230									
2003	253	23	120	785.506	-1068.610	D	8.542	8.541	0.001	89.39	9.51	0.13	0.39	
0.12	0.49	0.00	4.180	2.970	4.230									
2003	254	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	255	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	256	23	120	785.506	-1068.610	D	8.546	8.541	0.005	80.02	18.53	0.15	0.43	
0.13	0.54	0.21	4.180	2.970	4.230									
2003	257	23	87	789.783	-1098.197	D	8.543	8.541	0.001	53.27	46.50	0.03	0.08	
0.03	0.11	0.00	4.180	2.970	4.230									
2003	258	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	259	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	260	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	261	23	120	785.506	-1068.610	D	8.543	8.541	0.001	87.47	8.29	0.51	1.46	
0.44	1.83	0.00	4.180	2.970	4.230									
2003	262	23	120	785.506	-1068.610	D	8.543	8.541	0.002	81.19	15.76	0.36	1.05	
0.32	1.31	0.00	4.180	2.970	4.230									
2003	263	23	120	785.506	-1068.610	D	8.541	8.541	0.000	74.89	22.13	0.46	0.87	
0.26	1.08	0.00	4.180	2.970	4.230									
2003	264	23	120	785.506	-1068.610	D	8.545	8.541	0.003	78.40	18.52	0.15	0.46	
0.14	0.58	1.76	4.180	2.970	4.230									

2003	265	23	120	785.506	-1068.610	D	8.542	8.541	0.001	84.07	14.02	0.23	0.68	
0.21	0.86	0.00	4.180	2.970	4.230									
2003	266	23	119	786.393	-1069.467	D	8.541	8.541	0.000	83.68	14.53	0.23	0.55	
0.16	0.68	0.00	4.180	2.970	4.230									
2003	267	23	118	787.281	-1070.324	D	8.541	8.541	0.000	79.08	19.16	0.27	0.52	
0.16	0.66	0.00	4.180	2.970	4.230									
2003	268	23	117	788.168	-1071.180	D	8.541	8.541	0.000	84.11	13.80	0.00	0.56	
0.17	0.70	0.00	4.180	2.970	4.230									
2003	269	23	120	785.506	-1068.610	D	8.542	8.541	0.000	77.13	20.67	0.22	0.81	
0.24	1.01	0.00	4.180	2.970	4.230									
2003	270	23	81	777.710	-1118.013	D	8.542	8.541	0.001	87.30	9.79	0.32	1.01	0.30
1.26	0.00	4.180	2.970	4.230										
2003	271	23	81	777.710	-1118.013	D	8.541	8.541	0.000	137.50	0.00	0.00	1.06	
0.32	1.33	0.00	4.180	2.970	4.230									
2003	272	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.180	2.970	4.230										
2003	273	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	4.180	2.970	4.230										
2003	274	23	81	777.710	-1118.013	D	8.425	8.425	0.000	125.00	6.25	0.00	1.11	
0.34	1.39	0.00	3.920	2.820	3.990									
2003	275	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	3.920	2.820	3.990										
2003	276	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	3.920	2.820	3.990										
2003	277	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	3.920	2.820	3.990										
2003	278	23	120	785.506	-1068.610	D	8.425	8.425	0.000	92.21	5.53	0.41	0.82	
0.25	1.03	0.00	3.920	2.820	3.990									
2003	279	23	120	785.506	-1068.610	D	8.426	8.425	0.001	78.93	18.93	0.26	0.73	
0.22	0.91	0.00	3.920	2.820	3.990									
2003	280	23	118	787.281	-1070.324	D	8.425	8.425	0.000	57.21	40.87	0.00	0.49	
0.15	0.61	0.00	3.920	2.820	3.990									
2003	281	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	3.920	2.820	3.990										
2003	282	23	120	785.506	-1068.610	D	8.425	8.425	0.000	83.93	9.38	0.00	0.16	
0.05	0.21	0.00	3.920	2.820	3.990									
2003	283	23	119	786.393	-1069.467	D	8.425	8.425	0.000	82.81	4.69	0.00	0.08	
0.02	0.10	0.00	3.920	2.820	3.990									
2003	284	23	120	785.506	-1068.610	D	8.425	8.425	0.000	89.89	8.98	0.00	0.20	
0.06	0.25	0.00	3.920	2.820	3.990									
2003	285	23	120	785.506	-1068.610	D	8.425	8.425	0.000	91.20	7.29	0.00	0.10	
0.03	0.13	0.00	3.920	2.820	3.990									
2003	286	23	87	789.783	-1098.197	D	8.558	8.425	0.133	83.32	10.24	0.73	2.12	
0.64	2.66	0.29	3.920	2.820	3.990									
2003	287	23	81	777.710	-1118.013	D	8.427	8.425	0.002	89.65	6.98	0.40	1.16	0.35
1.46	0.00	3.920	2.820	3.990										
2003	288	23	81	777.710	-1118.013	D	8.425	8.425	0.000	91.16	6.36	0.43	1.05	0.32
1.31	0.00	3.920	2.820	3.990										
2003	289	23	100	792.475	-1082.967	D	8.457	8.425	0.032	62.46	32.76	0.56	1.63	
0.49	2.04	0.04	3.920	2.820	3.990									
2003	290	23	87	789.783	-1098.197	D	8.458	8.425	0.034	54.85	42.73	0.29	0.84	
0.25	1.05	0.01	3.920	2.820	3.990									
2003	291	23	81	777.710	-1118.013	D	8.425	8.425	0.000	88.75	7.50	0.00	1.64	0.49
2.05	0.00	3.920	2.820	3.990										
2003	292	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	
0.00	0.00	3.920	2.820	3.990										

2003	293	23	81	777.710	-1118.013	D	8.430	8.425	0.005	75.28	20.17	0.54	1.57
0.47	1.96	0.00	3.920	2.820	3.990								
2003	294	23	81	777.710	-1118.013	D	8.460	8.425	0.035	62.82	31.88	0.58	1.68
0.51	2.10	0.44	3.920	2.820	3.990								
2003	295	23	81	777.710	-1118.013	D	8.448	8.425	0.023	46.31	35.71	1.34	3.89
1.17	4.86	6.72	3.920	2.820	3.990								
2003	296	23	81	777.710	-1118.013	D	8.535	8.425	0.111	54.15	42.31	0.42	1.22
0.37	1.52	0.01	3.920	2.820	3.990								
2003	297	23	120	785.506	-1068.610	D	8.428	8.425	0.004	46.70	51.00	0.27	0.80
0.24	1.00	0.00	3.920	2.820	3.990								
2003	298	23	81	777.710	-1118.013	D	8.427	8.425	0.002	65.15	32.53	0.27	0.78
0.23	0.97	0.09	3.920	2.820	3.990								
2003	299	23	81	777.710	-1118.013	D	8.437	8.425	0.012	55.79	43.20	0.10	0.30
0.09	0.37	0.15	3.920	2.820	3.990								
2003	300	23	81	777.710	-1118.013	D	8.425	8.425	0.000	84.88	14.78	0.06	0.11
0.03	0.13	0.10	3.920	2.820	3.990								
2003	301	23	120	785.506	-1068.610	D	8.455	8.425	0.030	69.39	22.28	0.90	2.62
0.79	3.28	0.72	3.920	2.820	3.990								
2003	302	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.920	2.820	3.990									
2003	303	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.920	2.820	3.990									
2003	304	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.920	2.820	3.990									
2003	305	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	306	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	307	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	308	23	81	777.710	-1118.013	D	8.477	8.431	0.046	71.90	21.18	0.77	2.24
0.68	2.80	0.44	3.930	2.830	4.010								
2003	309	23	81	777.710	-1118.013	D	8.883	8.431	0.452	61.00	30.54	0.82	2.40
0.72	3.00	1.51	3.930	2.830	4.010								
2003	310	23	81	777.710	-1118.013	D	8.477	8.431	0.047	65.92	30.27	0.45	1.30
0.39	1.63	0.03	3.930	2.830	4.010								
2003	311	23	87	789.783	-1098.197	D	8.438	8.431	0.007	73.40	24.11	0.29	0.86
0.26	1.08	0.00	3.930	2.830	4.010								
2003	312	23	81	777.710	-1118.013	D	8.431	8.431	0.000	91.31	5.94	0.35	1.01
1.26	0.00	3.930	2.830	4.010									
2003	313	23	116	788.252	-1072.109	D	8.431	8.431	0.000	83.59	12.11	0.00	0.79
0.24	0.98	0.00	3.930	2.830	4.010								
2003	314	23	120	785.506	-1068.610	D	8.431	8.431	0.000	77.18	20.62	0.34	0.72
0.22	0.90	0.00	3.930	2.830	4.010								
2003	315	23	120	785.506	-1068.610	D	8.431	8.431	0.000	64.41	32.55	0.32	1.04
0.31	1.30	0.00	3.930	2.830	4.010								
2003	316	23	113	790.111	-1074.751	D	8.459	8.431	0.028	40.04	56.24	0.42	1.23
0.37	1.54	0.15	3.930	2.830	4.010								
2003	317	23	81	777.710	-1118.013	D	8.431	8.431	0.000	72.50	19.38	0.00	1.78
0.54	2.22	0.00	3.930	2.830	4.010								
2003	318	23	119	786.393	-1069.467	D	8.431	8.431	0.000	77.50	18.21	0.71	1.30
0.39	1.63	0.00	3.930	2.830	4.010								
2003	319	23	117	788.168	-1071.180	D	8.431	8.431	0.000	68.03	28.06	0.48	1.16
0.35	1.46	0.00	3.930	2.830	4.010								
2003	320	23	113	790.111	-1074.751	D	8.431	8.431	0.000	56.25	36.25	0.00	1.03
0.31	1.29	0.00	3.930	2.830	4.010								

2003	321	23	120	785.506	-1068.610	D	8.435	8.431	0.004	32.59	46.25	1.22	3.55
1.07	4.44	10.88	3.930	2.830	4.010								
2003	322	23	87	789.783	-1098.197	D	8.435	8.431	0.004	22.34	63.64	0.86	2.50
0.75	3.12	6.78	3.930	2.830	4.010								
2003	323	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	324	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	325	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	326	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	327	23	81	777.710	-1118.013	D	8.436	8.431	0.005	1.16	84.82	0.00	0.00
0.01	14.02	3.930	2.830	4.010									
2003	328	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	329	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	330	23	115	789.140	-1072.966	D	8.431	8.431	0.000	40.18	54.46	0.00	1.09
0.33	1.37	0.05	3.930	2.830	4.010								
2003	331	23	81	777.710	-1118.013	D	8.439	8.431	0.008	27.22	68.23	0.08	0.25
0.07	0.31	3.84	3.930	2.830	4.010								
2003	332	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	333	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010									
2003	334	23	81	777.710	-1118.013	D	8.465	8.431	0.035	50.65	45.31	0.48	1.39
0.42	1.74	0.02	3.930	2.830	4.010								
2003	335	23	81	777.710	-1118.013	D	8.492	8.486	0.006	49.59	47.00	0.40	1.18
0.36	1.47	0.00	4.060	2.900	4.110								
2003	336	23	120	785.506	-1068.610	D	8.488	8.486	0.002	66.94	29.60	0.40	1.19
0.36	1.49	0.00	4.060	2.900	4.110								
2003	337	23	120	785.506	-1068.610	D	8.859	8.486	0.373	42.46	54.80	0.29	0.86
0.26	1.07	0.26	4.060	2.900	4.110								
2003	338	23	81	777.710	-1118.013	D	8.652	8.486	0.166	44.47	53.00	0.28	0.82
0.25	1.03	0.15	4.060	2.900	4.110								
2003	339	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	340	23	81	777.710	-1118.013	D	8.486	8.486	0.000	50.00	37.50	0.00	1.25
0.38	1.57	0.00	4.060	2.900	4.110								
2003	341	23	98	791.753	-1083.968	D	8.486	8.486	0.000	55.77	37.74	0.96	1.50
0.45	1.88	0.00	4.060	2.900	4.110								
2003	342	23	81	777.710	-1118.013	D	8.486	8.486	0.000	62.50	40.62	0.00	1.74
0.53	2.18	0.00	4.060	2.900	4.110								
2003	343	23	87	789.783	-1098.197	D	8.501	8.486	0.015	19.46	68.92	0.68	1.99
0.60	2.49	5.85	4.060	2.900	4.110								
2003	344	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	345	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	346	23	81	777.710	-1118.013	D	8.487	8.486	0.001	48.88	41.22	0.47	1.36
0.41	1.71	5.99	4.060	2.900	4.110								
2003	347	23	81	777.710	-1118.013	D	8.487	8.486	0.000	21.75	75.80	0.00	0.15
0.05	0.19	2.19	4.060	2.900	4.110								
2003	348	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									

2003	349	23	85	785.607	-1106.067	D	8.504	8.486	0.017	51.13	42.25	0.60	1.75
0.53	2.19	1.54	4.060	2.900	4.110								
2003	350	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	351	23	81	777.710	-1118.013	D	8.867	8.486	0.380	24.73	65.13	0.71	2.07
0.62	2.58	4.16	4.060	2.900	4.110								
2003	352	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	353	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	354	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	355	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	356	23	104	792.307	-1081.109	D	8.524	8.486	0.038	31.29	65.65	0.18	0.51
0.15	0.64	1.58	4.060	2.900	4.110								
2003	357	23	99	792.559	-1083.896	D	8.487	8.486	0.000	19.28	78.85	0.00	0.03
0.01	0.04	1.90	4.060	2.900	4.110								
2003	358	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	359	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	360	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	361	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.060	2.900	4.110									
2003	362	23	81	777.710	-1118.013	D	8.528	8.486	0.042	7.05	90.33	0.00	0.00
0.00	2.61	4.060	2.900	4.110									
2003	363	23	81	777.710	-1118.013	D	8.487	8.486	0.000	4.97	93.34	0.00	0.00
0.00	1.71	4.060	2.900	4.110									

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species												
Small	Large	SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)					
2003	201	23	120	785.506	-1068.610	D	9.134	8.643	0.491	68.88	25.38	0.61	1.77
0.53	2.21	0.63	4.410	3.100	4.440	1							
2003	309	23	81	777.710	-1118.013	D	8.883	8.431	0.452	61.00	30.54	0.82	2.40
0.72	3.00	1.51	3.930	2.830	4.010	2							
2003	200	23	120	785.506	-1068.610	D	9.077	8.643	0.434	76.24	19.08	0.54	1.58
0.48	1.98	0.10	4.410	3.100	4.440	3							
2003	31	23	81	777.710	-1118.013	D	8.915	8.491	0.423	39.25	57.42	0.33	0.96
1.20	0.56	4.080	2.910	4.100	4								
2003	351	23	81	777.710	-1118.013	D	8.867	8.486	0.380	24.73	65.13	0.71	2.07
0.62	2.58	4.16	4.060	2.900	4.110	5							
2003	209	23	120	785.506	-1068.610	D	9.019	8.643	0.376	76.46	19.17	0.50	1.46
0.44	1.83	0.13	4.410	3.100	4.440	6							
2003	337	23	120	785.506	-1068.610	D	8.859	8.486	0.373	42.46	54.80	0.29	0.86
0.26	1.07	0.26	4.060	2.900	4.110	7							
2003	210	23	120	785.506	-1068.610	D	8.942	8.643	0.299	64.77	32.14	0.37	1.06
0.32	1.33	0.02	4.410	3.100	4.440	8							
2002	365	23	81	777.710	-1118.013	D	8.775	8.486	0.288	37.25	58.06	0.49	1.43
0.43	1.78	0.56	4.060	2.900	4.110	9							
2003	18	23	93	792.256	-1089.543	D	8.773	8.491	0.282	20.57	73.89	0.42	1.23

1.54	1.96	4.080	2.910	4.100	10												
2003	218	23	120	785.506	-1068.610	D	8.899	8.622	0.277	56.46	38.73	0.52	1.51				
0.46	1.89	0.44	4.370	3.070	4.380	11											
2003	7	23	86	789.227	-1101.058	D	8.753	8.491	0.262	29.09	67.41	0.40	1.16	0.35			
1.45	0.16	4.080	2.910	4.100	12												
2003	149	23	84	781.422	-1113.936	D	8.672	8.435	0.237	79.64	12.41	0.92	2.67				
0.81	3.34	0.21	3.940	2.830	4.020	13											
2003	159	23	120	785.506	-1068.610	D	8.755	8.519	0.235	82.42	13.97	0.43	1.24				
0.38	1.56	0.00	4.120	2.940	4.210	14											
2003	151	23	120	785.506	-1068.610	D	8.671	8.435	0.235	75.69	16.18	0.91	2.65				
0.80	3.31	0.46	3.940	2.830	4.020	15											
2003	181	23	86	789.227	-1101.058	D	8.711	8.519	0.192	37.11	59.20	0.33	0.97				
0.29	1.21	0.88	4.120	2.940	4.210	16											
2003	102	23	81	777.710	-1118.013	D	8.528	8.347	0.181	46.92	49.28	0.45	1.31				
0.40	1.64	0.00	3.740	2.720	3.850	17											
2003	213	23	120	785.506	-1068.610	D	8.799	8.622	0.177	70.40	25.13	0.47	1.36				
0.41	1.70	0.53	4.370	3.070	4.380	18											
2003	80	23	87	789.783	-1098.197	D	8.539	8.366	0.173	27.26	68.91	0.43	1.25	0.38			
1.56	0.22	3.790	2.740	3.870	19												
2003	32	23	81	777.710	-1118.013	D	8.551	8.379	0.172	48.00	49.57	0.29	0.83	0.25			
1.04	0.01	3.820	2.760	3.890	20												
2003	4	23	120	785.506	-1068.610	D	8.661	8.491	0.169	31.92	64.61	0.38	1.09	0.33			
1.37	0.30	4.080	2.910	4.100	21												
2003	43	23	120	785.506	-1068.610	D	8.547	8.379	0.168	41.10	55.96	0.35	1.01				
0.31	1.27	0.00	3.820	2.760	3.890	22											

--- Number of days with Delta-Deciview => 0.50: 0
 --- Number of days with Delta-Deciview => 1.00: 0
 --- Largest Delta-Deciview = 0.491

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***** CALPOST Version 6.221 Level 080724  

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Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV
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120	785.506	-1068.610	D	8.499	8.475	0.024
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--- Number of recs with Delta-Deciview > 0.10: 0
 --- Largest Delta-Deciview = 0.024